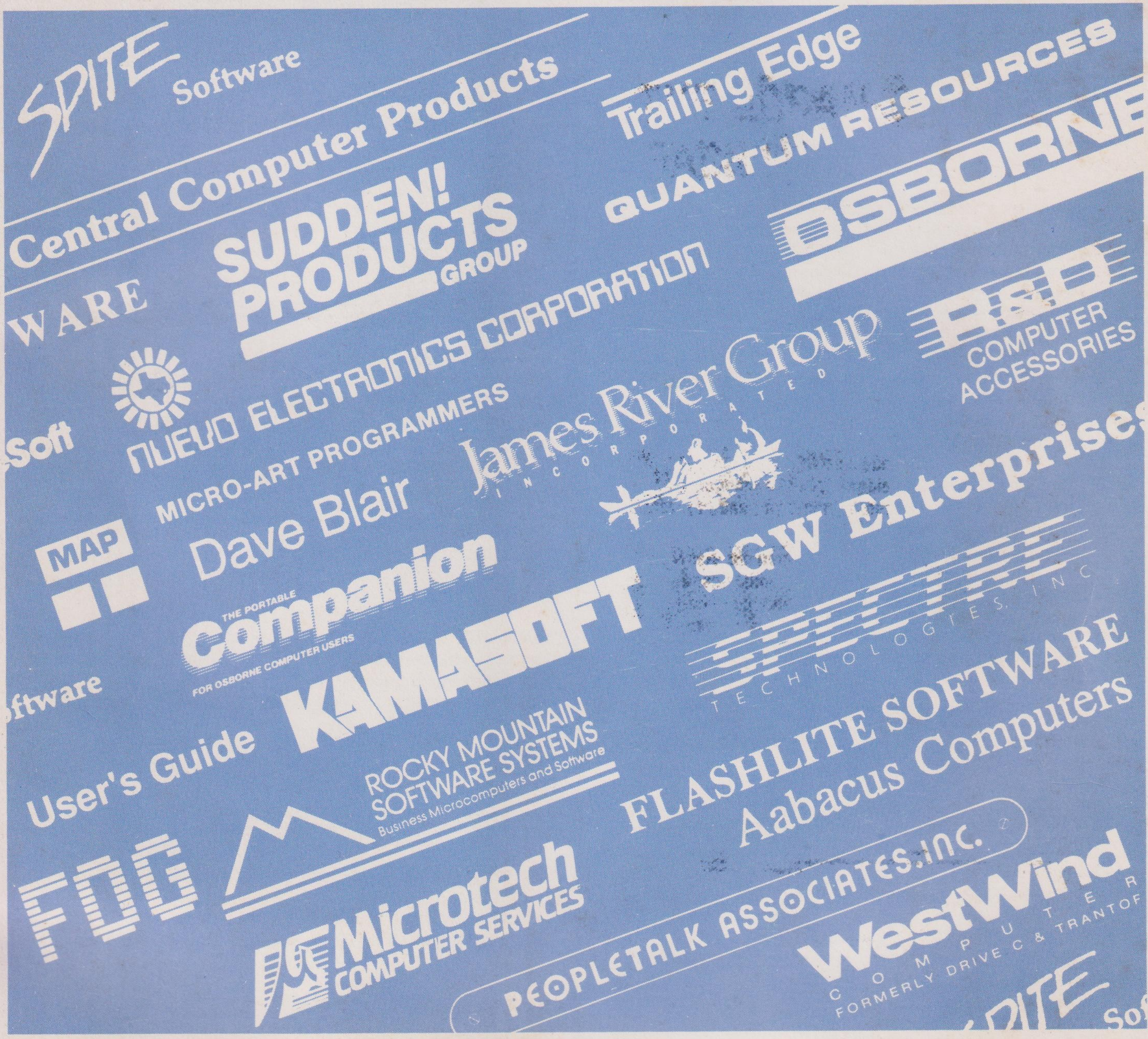
Spite Software presents

$3.00

A Guide To Products And Services For The Osborne Computers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USING THIS PRODUCTS AND SERVICES GUIDE

CONTINUED SUPPORT FOR YOUR OSBORNE

November 1, 1985

Dear Loyal Osborne Owner,

Thanks to all of you out there for your nice comments on our first Resource Guide. When we put it together, we knew that something like this was needed, but we were not prepared for the overwhelming show of support we received.

It has become clear to us that even in a world increasingly dominated by IBM most of you have no desire to switch. Apparently, you have discovered something we have known for a long time: CP/M computers run faster, are more reliable and cost less than than their MS-DOS counterparts. And once you see some of the products and prices in this Resource Guide, you will discover another advantage to owning a CP/M computer. Namely, that software and hardware for CP/M computers are remarkably less expensive too!

As you probably know, these Guides are a cooperative venture. While we organize them and oversee production and mailing, it would be impossible to put them out without the participation of many other fine companies. We always like to highlight these companies in this first section. It gives you a preview of what's to come. So sit back comfortably and enjoy. And keep those nice letters coming.

Dave Blair (page 26) - Dave is a well know figure to Bay Area Osborne folks. We don't quite know how he does it (we've asked, he won't tell us), but he always seems to come up with incredible bargains on all kinds of things.

Aabacus Computers (page 27) - This company, run by one of the most ardent Osborne supporters we know, offers two computers (the Vixen and a PC-Compatible) at great prices. We know this company and you'll get great support.

Rocky Mountain Software (page 28) - Well known for their fine business and accounting software. Now they have added several new products, including MAG/base, an excellent, easy to use and quite inexpensive data base manager.

Quantum Resources (page 29) - Don't let tax time get you down. Quantum has SuperCalc templates to keep you smiling through April 15th.

Flashlight Software (page 29) - Flashprint is their new product, and some say it's the very best of the WordStar printer optimizer programs. From what we can see, they just may be right. It does all the usual bold, italic, underline and so forth, and even has a true graphics mode.

Spectre (pages 30-33) - Formally known as D/G systems, their Media Master and Rembrandt were the hit of last year's season. It looks like they have a brand new winner in Presto!

R & D Engineering (page 34) - If you have a grey case Osborne 1, their fan is a must buy. It's a quiet, well engineered unit and the price has even been lowered from last year. Your computer will love you for it.

Central Computer Products (page 35) - Lots and lots of stuff, both software and hardware, at bargain prices.

Trailing Edge, et. al. (page 36) - These folks bought up a container load of Televideo TPC-1's. Now they are selling this great computer for less than $900! Don't pass this one by.

SGW Enterprises (page 37) - The source for printer and computer stands and dust covers. They are functional, attractive and inexpensive units. Recommended.

Nuevo Electronics (pages 38-39) - Well known by now to most Osborne owners, Nuevo has a great line of upgrade kits for Osborne owners. We have yet to find any software that won't work with their double density or 80 column upgrades.

PeopleTalk (page 40) - These friendly folks sell something every CP/M owner should have; an annotated listing of the best of Public Domain software. If you have ever wondered what was out there in the world of freely distributed software, get their book.

The User's Guide (page 41) - A complete magazine that dedicates itself almost entirely to what's new in CP/M.

MicroArt Programs MAP (page 42) - This company has quietly been building some of the best small business and home software around. Don't pass them by.

Kamasoft (page 42) - Makers of the first outline processor for CP/M computers (KAMAS), Kamasoft now has a holiday surprise in store for you, a price cut of 50%.

James River Group (page 43) - Well known and liked for their accounting software, James River also introduces T-Man, a nifty filing program to handle all those odd jobs that clutter up our desks.

Sudden Products Group (page 44) - This has got to be the friendliest company in CP/M today. Their Enhancer (WordStar printer installer) is great too. We get letters all the time from **their** customers telling us how much they like it.

MicroTech (page 46) - They are dedicated to making the Executive the most powerful portable computer ever. See their RAM disk/memory enhancement and hard disks, which are only the beginning. Also one of the best places for hardware of all sorts.

The Portable Companion (page 47) - Back again!

Osborne Computer Corporation (page 48) - The company that wouldn't die, now offers the incredible Vixen.

FOG (inside back cover) - We think this is the best User's Group in the country. Even better, they specialize in CP/M. Join, join, join!

WestWind, formerly Drive-C (back cover) - As always, WestWind has a bunch of new fancy hardware upgrades and enhancements in store. We love our Drive-C's. Contact them for the whole scoop on what's new.

The News

Life at Spite

Hello again everyone. Yup, you guessed it, we're back with another Resource Guide. There's more stuff here, it's better, and overall the prices are even lower than before! Things are looking brighter for the CP/M owner everyday.

We'll need a vacation after getting this Guide out. What a logistical nightmare this one was! We will reach almost a quarter-million people this time in specialized Resource Guides for Osborne, Kaypro, Morrow and Epson computer owners. Not only have our own offerings increased, but participation has improved too. We hope you browse the entire catalog. Something is bound to catch your eye.

Some of the big news is that we've been able to convince several important publishers to reduce their prices to the CP/M market. In return, we have featured them in the Resource Guide. See the explanation of our ***CP/M Difference*** program on page 10. We have to tell you: It's been a short, busy summer.

Who's Writing This?

We have had numerous comments from customers about our writing style. We just write as if we were giving advice to a friend—it seems to work okay, and we think it does a good job of explaining the products accurately. Since both Norm and I do the writing, the style changes.

I think it's fairly easy to tell who is who. Norm **thinks** in C and Pascal and he's a recent law school graduate, so if a description is particularly technical and concise, it's probably Norm. I have had an eclectic career—I dabble in everything, so if a description reads like it might have been written by a sail boarding mechanic with a public relations slant, it's probably me (Bill).

Enjoy the Guide, and our new products. There's more in the works, so stay tuned. As we say… We'll Stick With You. And we mean it.

Bill Babcock Norm Worthington

Thoughtline

There's nothing so satisfying as writing a piece of great software—unless it's sharing that software with people who appreciate it. *Thoughtline* (see pages 2-3) is the best outline processor available on any machine. Period. Norm wrote it and put heart and soul into it, along with every slick feature we could come up with. You're going to love it.

Those of you who have bought from us before know we sold Kamas, the other CP/M outline processor, for some time. It's a good product, but *Thoughtline* is light-years better. For those of you who bought KAMAS from us we have a nice offer. Get *Thoughtline* and try it for ninety days. During that period you can return the KAMAS master disk as a trade in and get 55 bucks back. If you bought KAMAS or any other outline processor from someone else—shame on you! But we'll still give you 40 bucks trade in for your master disk. Of course our exclusive ninety day satisfaction guarantee holds true for *Thoughtline*, like all other software we sell.

Certified Software Accounting System

Ledgers? We don' need no steenkin' Ledgers.

Maybe not. But as we found out, it's better to have too good an accounting system than one not good enough. Companies have a habit of growing, even one man, part time, kitchen table companies. We've got a great accounting system (see pages 10-12), and it's certified by the big-eight accounting firm of Touche-Ross to meet Generally Accepted Accounting Principles (GAAP). This package used to sell for $595. Our price is now an incredible $149.95 with the ***CP/M Difference*** plan.

TURBOLINK 1200

We put a lot of effort into improving the modem we sell. We found some firmware bugs but with blood, sweat and long distance phone time we got it all worked out. The *TURBOLINK 1200* is as good as any on the market and the software is great. See pages 8-9 for details.

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New And Great!

Thoughtline™

New outline processor from Spite!

We Just Were Not Satisfied

There is no doubt that outline processors are great. We use them all the time—for thinking, brainstorming, writing software (great for Pascal or C), for planning, to track our schedules, for writing complex texts or even just making and quickly updating to-do lists. Once you have one you won't want to be without one. But that's where the frustration started.

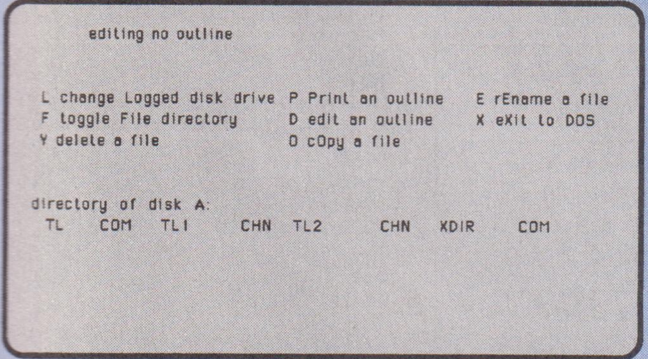
We Wanted A Good One

To be good, an outline processor has to be fast. Your thoughts must flow into and out of it effortlessly. Otherwise, the spark to creativity just isn't there. Unfortunately, all the outline processors we tested (about every one we've heard of), on all the computers available to us (we have a lot of computers), simply didn't do the job. Some are better than others, and we won't name names, but they all had faults—plenty of faults. Some were intolerably clumsy. Others were ponderously slow and full of arcane commands. Some were quicker, but lacked features we felt necessary. And none of them really worked well with WordStar. So, one day we sat down and made a wish list of features and decided what an outline processor must have.

And we wrote our own.

Brag, Brag, Brag

Norm wrote the software. I'm writing the ad copy. For a good reason—I can brag about *Thoughtline* without restraint. It's beautiful. Norm outdid himself. *Thoughtline* is fast and elegant. Even if we never sell one, I'm glad Norm wrote it because it's just what I wanted. But I know we'll sell lots of these. Reviews from the beta versions are starting to come in, and they're all raving about *Thoughtline*. Enough superlatives, let me tell you what this baby does.

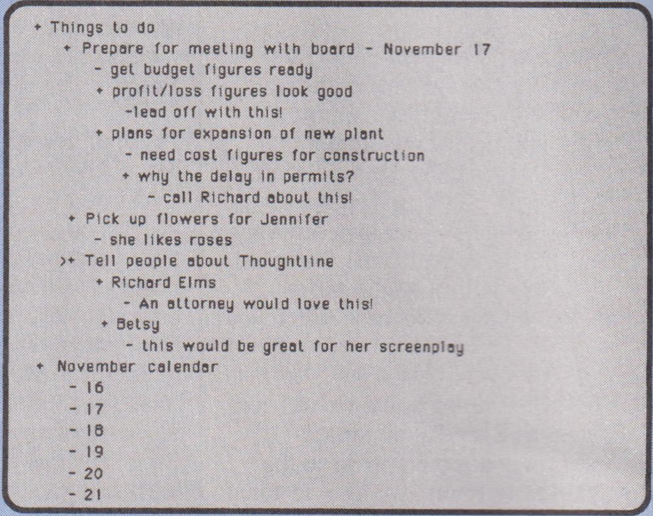


```
      editing no outline


 L change Logged disk drive P Print an outline   E rEname a file
 F toggle File directory    D edit an outline    X eXit to DOS
 Y delete a file            O cOpy a file


directory of disk A:
 TL    COM   TL1     CHN  TL2      CHN  XDIR    COM
```

Sure Looks Familiar

Type TL <Return> from the A> prompt and you may do a doubletake. The front menu of *Thoughtline* looks almost exactly like WordStar's. That's intentional. It's just our way of letting you know that if you already know WordStar, you're 85% of the way there with *Thoughtline*.

Type D to edit an outline (just like WordStar, of course!) and you see a > marker and a minus sign, followed by the cursor. Let's start with a simple "to-do" list. Type in a few things (we call them topics). The arrow keys work as expected, and so do all the usual WordStar editing control keys. The screen display is lightning fast. Nothing the computer does interferes with your thinking process.



```
+ Things to do
    + Prepare for meeting with board - November 17
       - get budget figures ready
       + profit/loss figures look good
          -lead off with this!
       + plans for expansion of new plant
          - need cost figures for construction
          + why the delay in permits?
             - call Richard about this!
   + Pick up flowers for Jennifer
      - she likes roses
  >+ Tell people about Thoughtline
       + Richard Elms
          - An attorney would love this!
        + Betsy
          - this would be great for her screenplay
+ November calendar
   - 16
   - 17
   - 18
   - 19
   - 20
   - 21
```

Now you flesh out those topics with subheads or details. When a topic has a subhead under it (to the right), the minus turns to a plus. Oops, one of those subheads should be a main topic. No problem, put the cursor on the line—anywhere will do—and hit the Escape key. The line moves up one level of hierarchy. Each time you hit Escape it moves one. Want to demote a topic to a subtopic? Hit Tab. No restrictions, no funny rules. You are the boss and *Thoughtline* responds instantly.

When you want it, there's a powerful word processor that lets you expand on a topic line as much as you like. We call it "filling in the details." And guess what—it works just like WordStar!

Put It Where You Like

Reorganizing is simple. Block copy, move and delete are fully implemented, but with a new twist. Cut and paste and all the subtopics go along.

Losing The Big Picture?

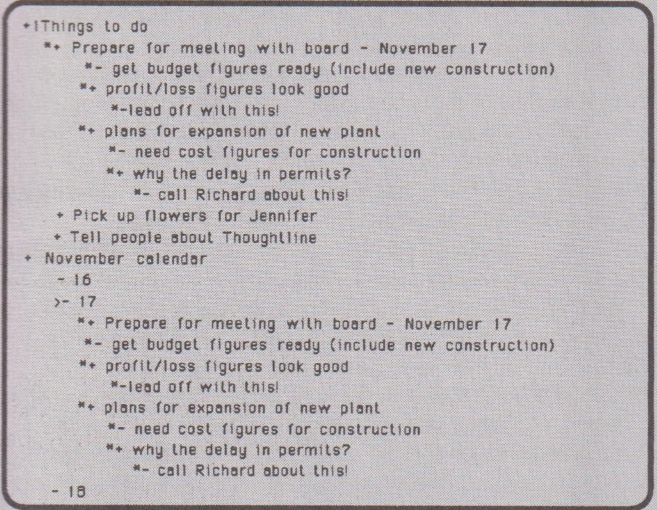
No problem, just collapse the outline by "hiding" topic lines. None of the lines are actually lost; they're just hidden and can be unhidden instantly at any time. This is great for seeing the big picture without getting lost in the details. You have several ways to do it. You can tell *Thoughtline* to hide everything below a certain level. You can directly hide subtopics under the topic line your cursor is at. Or you can go to the higher levels and hide everything, revealing just what you want and need as you need it. Unhiding is easy. Just put your cursor on a topic line that has hidden stuff beneath it, and type ^UU (for Unhide). Couldn't be simpler!

You Say You Don't Think That Way, Bunkie?

Lots of us don't really think in outlines. We just group things together. Again, you're the boss. Brainstorm along, entering the things you want to organize. Decide what you want to call the "boxes" you toss similar things into, like errands, office work, accounting, etc. Number each box and then go through your list. That's a one, that's a one, that's a four, etc. Your random list is neatly sorted into the categories you've created.

Who's On First

Want to prioritize your list? No problem. Built right in. Just mark a block and the line pointer will "walk through" the list. Hit Return and the line goes to the top of the marked region. Finally, I can keep my priorities in order! Gosh, I love this program!



```
+1Things to do
  *+ Prepare for meeting with board - November 17
      *- get budget figures ready (include new construction)
     *+ profit/loss figures look good
        *-lead off with this!
     *+ plans for expansion of new plant
        *- need cost figures for construction
        *+ why the delay in permits?
           *- call Richard about this!
   + Pick up flowers for Jennifer
   + Tell people about Thoughtline
+ November calendar
   - 16
   >- 17
     *+ Prepare for meeting with board - November 17
      *- get budget figures ready (include new construction)
     *+ profit/loss figures look good
        *-lead off with this!
     *+ plans for expansion of new plant
        *- need cost figures for construction
        *+ why the delay in permits?
           *- call Richard about this!
   - 18
```

*Here, some topic lines have been collapsed. Then, a clone of the topic lines dealing with the board meeting has been made and placed at the November 17th calendar date. You might notice that the cloned lines are shifted one level to the right compared to the originals. Block shifting like this is a snap in **Thoughtline**. Just mark a block, and shift it. Try that on any other outline processor! There is one last thing to note. See the '1' after the plus symbol on the first line? This designates this line as a category. From now on, anytime you type ^Q1, the line your cursor is on will automatically be moved under the top line. It's great when you are somewhere deep in your outline and you remember something "to-do". You just type it out, hit ^Q1, and your to-do list is instantly updated and you can get back to what you were doing!*

My God, It's Alive!

Now for the really neat features. In *Thoughtline* you can clone a chunk of your outline. Suppose you have a to-do list followed by your calendar. You expand a topic in your to-do list that details a project you need to get done. Now mark the block and go to the day on your calendar you want to start the project. Clone the block to the calendar. It looks like a copy but there's now an asterisk next to the minus or plus sign. Whenever you make changes to the list in your calendar it automatically updates the to-do list—or vice versa. As your project progresses, all the information you enter appears in all the places that you'd look for it.

WordStar File Compatible

Even with all the features of **Thoughtline**, WordStar is still the undisputed champ for final formatting and printing. That's why *Thoughtline* can output files fully compatible with WordStar, including the soft carriage returns (so ^B will work) and the funny "high bits." And *Thoughtline* does all this directly, without messy conversion programs.

First Isn't Always Best!

We admit it. *Thoughtline* isn't the first outline processor. But we think it's the best, and certainly the least expensive. Compare features below, and you'll see why we are so proud of ***Thoughtline***.

	Price	90 Day Return Guarantee?	6 Month Free Upgrade?	Read In An Outline?	Writes WordStar Files?	Reads WordStar Files?	Prioritizing?	Full Block Commands?	Categorizing?	Cloning?	Full WordStar Keystrokes?	Runs on MS-DOS?	Runs On CP/M?
Thoughtline	$69.95	√	√	√	√	√	√	√	√	√	√	√	√
Kamas	$147.00					√							√
MaxThink	$89.95			√			√		√			√	
ThinkTank	$125.00			√	√	√				√	√	√	

Sounds Neat, But You Guys Sold Me KAMAS

Kamas once was the only outline processor for CP/M-80, and it's a useful product. But we know you'll like *Thoughtline* better. We always go the extra mile for our customers. So, if you bought KAMAS from us, send us your master disk and we'll send you *Thoughtline* for $15.00. If you are not tickled pink with *Thoughtline*, return it and we'll send you back your master disk and your money. A safe deal. If you own any other outline processor, we'll send you *Thoughtline* for $30.00 on the same terms. We are sure you won't regret the switch. Even at the regular price of $69.95, *Thoughtline* can't be beat, so these deals are incredible!

6 Months Or 2 Upgrades!

We have bold plans for future versions of *Thoughtline*. At the very least, we will add a phone dialer for use with our *TURBOLINK 1200* modem, a desk calculator with paper tape option, and a perpetual calendar. We want all our customers to get these and future upgrades, so if you buy *Thoughtline* today, you will get either 6 months or 2 upgrades, whichever gets you more. It's just our way of saying thanks for choosing *Thoughtline*. Order today!

SuperDex

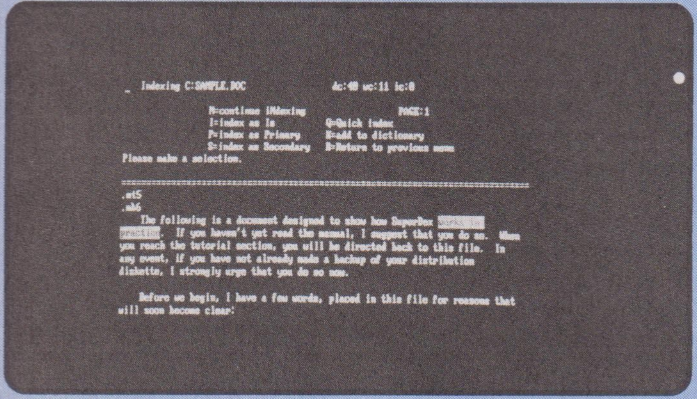
Indexes your documents

Is This For You?

If you never do the kind of writing that requires an index, read no further. But, if you think the things you write could benefit from an index (most everything could), SuperDex is the one for you. It is the cleanest, fastest and most versatile index maker around. And when you hear how it works, you will wonder why no one has thought of it before.

Works Along With You

The reason SuperDex is different is that it works with you while you are writing. When you come across a word or phrase that you think should be in the index, just put ^P's around it. If there are other words or phrases that should be included, you can put them into a separate list. When done writing, run SuperDex across the document. The program will find and display each marked word or phrase in the context they appear. And (here is the special part), it does this for every incidence of the word or phrase, even if you hadn't marked that particular one. This assures that your indexes contain all references to a word or phrase (with other programs you have to manually search your files!)



```
_  Indexing C:SAMPLE.DOC                  dc:40 uc:11 ic:0

           N=continue iNdexing                      PAGE:1
           I=index as Is        Q=Quick index
           P=index as Primary   A=add to dictionary
           S=index as Secondary R=Return to previous menu
Please make a selection.

==========================================================================
.mt5
.mb6
    The following is a document designed to show how SuperDex works in
practice.  If you haven't yet read the manual, I suggest that you do so.  When
you reach the tutorial section, you will be directed back to this file.  In
any event, if you have not already made a backup of your distribution
diskette, I strongly urge that you do so now.

    Before we begin, I have a few words, placed in this file for reasons that
will soon become clear:
```

Multiple Options Or Super Speed

SuperDex doesn't stop there. You are given lots of indexing options; Want to make a two level reference, or a "see also" entry? It's just a keystroke away. There is even a quick index option that creates a single level index automatically while you enjoy a cup of coffee.

Formats Are Your Choice

The final appearance of the index is entirely up to you. You have full choice of column width, indentation for primary, secondary, and see also references and other parameters. And if your first formatting run doesn't give you what you had in mind, SuperDex will do it again, until you get exactly what you want.

Guaranteed!

SuperDex is already used by many book publishers and professional writers. When you order SuperDex you get diskette, 57 page manual (with index) and our exclusive 90 day satisfaction guarantee. SuperDex is a bargain at $59.95.

Writer's Aide

7 writing utilities

Makes Life Easier

Writer's Aide is seven utilities designed to make life with Wordstar and NewWord easier. Run them from inside WordStar, from a menu or individually. These are fast, useful programs that take only a few minutes apiece to learn.

WRDCOUNT—Counts words, lines, average characters per word. Whether writing "by the word" or to meet academic requirements, WRDCOUNT keeps track.
NUMBER—Attorneys and legal secretaries love this program. Pleadings and other line-numbered documents can easily be done in any format. Editors use this program to print line numbered drafts. An almost infinite variation of formatting styles is possible. Lots of other uses.
COMBINE—By now, everyone knows that WordStar and NewWord make three copies of your file when editing. This cuts down on the size of the final document. COMBINE links files, making one.
MATCHUP—When's the last time you turned underlining on, and then forgot to turn it off?... MATCHUP solves that problem by pairing control characters and reporting the position of unmatched characters.
CRYPT—Snoops in the office? CRYPT turns sensitive documents into an unreadable mishmosh. Of course, it returns them—but only on your password.
WS/ASCII—Files from the public domain, electronic mail systems, or other word processors cannot be edited with WordStar (^B won't work!). WS/ASCII transforms these files into editable ones. It also turns WordStar files into standard ASCII files.
WORDFREQ—Determines the number of times every word appears in a document. Lists by frequency or alphabetic order. A long overdue tool for serious writers.

Each of these programs has been sold separately for much more (hundreds of dollars in some cases.) With Writer's Aide, you get a complete integrated package for only $39.95.

Great Reviews and Letters:

"The package I tested is called Writer's Aide... I am pleased to report that SPITE's advertising claim (that users will like this inexpensive line of software in spite of the low price) is justified! The price is low and I do like the software." - Abe Flexner, writing in Survivor's Guide, #7.

"I have owned the Writer's Aide collection of utilities since early 1984. Since then they have become an absolutely essential set of tools for my business word processing. The thought of going back to life without them is intolerable." -B.G., MD.

"Either this company has a sense of humor about its name, or they're out to get someone. They've already gotten me. I'm a big fan. Writer's Aide is a collection of seven useful programs..." -Peter McWilliams, author of The Word Processing Book, writing in his newsletter.

BIZ-Letters

Business letter templates and more

Is This Software?

Not really, but it does do something very useful in a software kind of way. Everyone knows that the merge print features of MailMerge and NewWord are great, but putting a complete system together to make and answer inquiries, prepare general business correspondence, and output forms can be a big task. BIZ-Letters solves this problem at a price that you will probably make back the first week in secretarial costs alone.

The Templates

Over a hundred business letters are included on the disk. They run from request and inquiry replies, to reminders, to employee letters to goodwill notes. Each prints either from a data file or from on-screen prompts. Whether you need to send a pile of mail, or just a few quick letters, with BIZ-Letters and MailMerge it's a snap.

Use Alone Or With Prepared Data

You can use the letters alone or with a MailMerge data file. When used alone, MailMerge asks you to enter the appropriate information from your keyboard. A special program is included that inserts your own company name and address into each letter automatically.

All Cross Referenced

There are letters for virtually every conceivable business task, ranging from dunning letters to employment congratulations. All are reproduced in the manual and indexed to filenames so it's easy to find the file you need.

And The Book!

Also included is a copy of *Getting the Most From WordStar and MailMerge* (regular price, $19.95), one of the few books we recommend without qualification. Not only will it make your use of the BIZ-Letter templates more productive, but it will show you lots of other ways to use NewWord or MailMerge to the maximum.

Personalized Forms

Our new laser printer produces output almost indistinguishable from typesetting (two guesses on how we prepared this catalog!) We used the same system to prepare a set of about 20 general purpose business forms. Also included is a set of labels with your company name and address (please specify). Just stick them on the forms, take them to the photocopier or quick printer and you will have a set of custom forms that will add a professional touch to everything you do. It will look like you spent a fortune at the typesetter on custom forms, but no one has to know!

LOW PRICE

The price of $34.95 includes all the above. If you want just the Letters and Forms, your cost is only $24.95.

MM•Sort

MailMerge file sorting

Our Customers Made Us Do It!

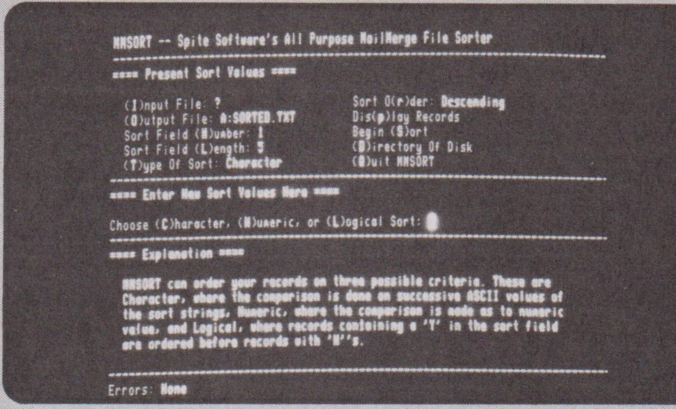
If you think about it for a moment, you'll realize that MailMerge has the beginnings of a really impressive database. After all, it's just about the most flexible report maker around. Your letters told us that lots of you already use your merge print programs this way, but that you had trouble sorting your files. Many asked us to recommend something. Unfortunately, we couldn't find anything that was functional, easy to use <u>and</u> low-cost. That's why we wrote MM•Sort.

Functional

MM•Sort takes your MailMerge data file, sorts it on any field you choose, and puts the result in a new file. MM•Sort has a virtually unlimited sorting capacity (about 65,000 records), no matter how much memory your computer has. This is because it knows how to use your disk like an extension of memory.

Built In-Upgrade

MM•Sort accepts comma delimited files. Of course, these are the kinds of files MailMerge uses, but did you know that most other sophisticated database managers (like dBase) also accept comma delimited files? This means that for a very low cost you can streamline your present system today, then upgrade painlessly to a more powerful database manager in the future.



```
MMSORT -- Spite Software's All Purpose MailMerge File Sorter
------------------------------------------------------------------
==== Present Sort Values ====

  (I)nput File: ?                    Sort O(r)der: Descending
  (O)utput File: A:SORTED.TXT        Dis(p)lay Records
  Sort Field (N)umber: 1             Begin (S)ort
  Sort Field (L)ength: 5             (D)irectory Of Disk
  (T)ype Of Sort: Character          (Q)uit MMSORT
------------------------------------------------------------------
==== Enter New Sort Values Here ====

Choose (C)haracter, (N)umeric, or (L)ogical Sort: █
------------------------------------------------------------------
==== Explanation ====

  MMSORT can order your records on three possible criteria. These are
  Character, where the comparison is done on successive ASCII values of
  the sort strings, Numeric, where the comparison is made as to numeric
  value, and Logical, where records containing a 'T' in the sort field
  are ordered before records with 'F''s.

------------------------------------------------------------------
Errors: None
```

Easy, Very Easy To Use

MM•Sort is really easy to use. Just select input and output file names, the field you want to sort on, and whether to sort in ascending or descending order. If you ever get stuck, MM•Sort will display a help screen that pertains to the selection you just made. Ease of use is most important in this kind of program. We figure our customers want to spend their time with their important reports, letters and mailing lists—not learning some new database manager.

Only $29.95!

MM•Sort is straightforward, easy to use software that does its job without any fuss. The price is no nonsense too, just $29.95 and backed (like all our software) with our 90 day "give it a try" guarantee.

Bucks

Home budget control

Control Your Finances

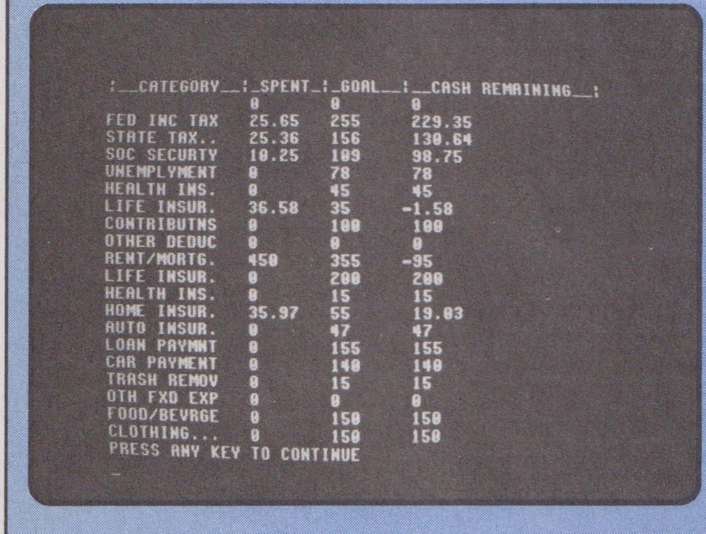
An integrated money manager that let's you take control of your finances. It's simple to use—fully menu driven, and very fast, allowing you to quickly enter transactions.

No One Would Do This Without A Computer

The budget planning model integrated into Bucks uses a recursive fitting technique recommended by top financial advisors. Unbearably tedious using a pencil, paper and calculator—it's a snap on your computer. And the end result is a budget plan for the year, with all spending mapped out by percentage of income and total dollars with a bar graph to let you closely scrutinze your spending patterns. Then the planner passes your new budget to the manager—Automatically!

Works The Way You Want

You can modify the money manager's budget goals and menu categories at at any time using WordStar or any other word processor that can edit and save a file in ASCII form. Bucks will reread the file and display the menu and categories correctly.



```
:__CATEGORY__:_SPENT_:_GOAL__:__CASH REMAINING__:
              0       0       0
FED INC TAX   25.65   255     229.35
STATE TAX..   25.36   156     130.64
SOC SECURTY   10.25   109     98.75
UNEMPLYMENT   0       78      78
HEALTH INS.   0       45      45
LIFE INSUR.   36.58   35     -1.58
CONTRIBUTNS   0       100     100
OTHER DEDUC   0       0       0
RENT/MORTG.   450     355    -95
LIFE INSUR.   0       200     200
HEALTH INS.   0       15      15
HOME INSUR.   35.97   55      19.03
AUTO INSUR.   0       47      47
LOAN PAYMNT   0       155     155
CAR PAYMENT   0       140     140
TRASH REMOV   0       15      15
OTH FXD EXP   0       0       0
FOOD/BEVRGE   0       150     150
CLOTHING...   0       150     150
PRESS ANY KEY TO CONTINUE
_
```

Statements Whenever You Want Them

Bucks tracks your financial transactions and prints a statement any time you choose, with all the information needed to reconcile your checkbook, monitor spending or compute taxes. Most money manager software will only permit printing statements for the current financial period. Bucks lets you go back to any period for adjustments, corrections and statement printing.

The Savings Start Now

The best way to keep those household expenses in check is to watch every penny. Bucks makes it easy to do this. And it won't clean you out up front, because Bucks is only $29.95.

Meal.Calc

Meal planning for you

Plan Your Meals

Meal.Calc lets you plan meals and shopping with an efficiency that was previously almost impossible. Why would you want to do that? Because it can save you time, money and help you stick to your diet.

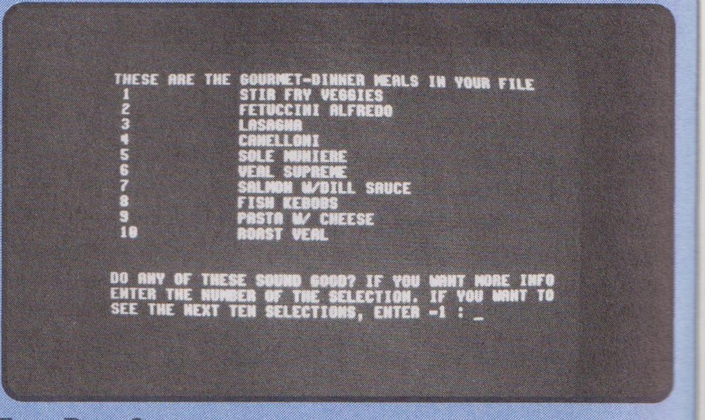
Use Your Favorite Recipes

Using Meal.Calc, you select meals from files or add your own recipes. Meal.Calc displays calories, ingredients, dietary statistics and a recipe book reference if you wish. You specify the day to serve the meal, the number of servings and, if you're dieting, the number of calories per serving.

Meal.Calc combines your selections into a week of meals, stored on disk as a special file. Meal.Calc then prints a shopping list and a set of menus for the week.

Buy Only What You Need

If you buy only what is on the shopping list you will have exactly what you need to cook for the week. No food spoiling in the refrigerator. Very few leftovers, and none of those tempting "extras" that ruin your diet. It's great.



```
THESE ARE THE GOURMET-DINNER MEALS IN YOUR FILE
 1            STIR FRY VEGGIES
 2            FETUCCINI ALFREDO
 3            LASAGNA
 4            CANELLONI
 5            SOLE MUNIERE
 6            VEAL SUPREME
 7            SALMON W/DILL SAUCE
 8            FISH KEBOBS
 9            PASTA W/ CHEESE
 10           ROAST VEAL

DO ANY OF THESE SOUND GOOD? IF YOU WANT MORE INFO
ENTER THE NUMBER OF THE SELECTION. IF YOU WANT TO
SEE THE NEXT TEN SELECTIONS, ENTER -1 : _
```

Too Busy?

Once you have used Meal.Calc for awhile you'll have a collections of weeks of meals. You can repeat them whenever you wish. Shopping with a precise, alphabetized list is a completely new experience. You owe this kind of convenience to yourself, and it's only $29.95.

What Next? Meal.Calc II

Meal.Calc is overdue for an update—and it's in the works right now. New software that's easier to use and more powerful. The new version will be a little more expensive, but worth it. And it will translate recipes created by Meal.Calc I. So why should you buy Meal.Calc I? Simple, our policy is to upgrade any of Spite's own software for the cost of a disk and postage. You'll be able to get a head start using Meal.Calc and at the same time save on the cost of the next generation.

Alice's Restaurant

In our last catalog we offered to publish recipe files created using Meal.Calc and split the proceeds 50-50. We are pleased to present one such collection called "Alice's Natural Foods Recipes". Alice did a really nice job. We've tried many of the recipes, and we recommend them. The price is just $14.95.

The offer is still valid by the way—send us a disk with 100 or so original or family recipes created with Meal.Calc and we'll publish it for you and split the revenues. We are especially interested in ethnic or specialty recipes.

Our Own Recipes

We still sell our own collection of 100 time tested recipes for Meal.Calc. Useful—and tasty—examples of the ways we have found to best use Meal.Calc. You'll want to add many more of your own, but these will give you a good start. All for a mouth-watering $9.95.

Disks in Technicolor

Have we got a deal for you. 100% lifetime guaranteed rainbow colored disks (certified for single or double sided use) for **one buck each!** But there's a catch...

The practical side to colored disks is that you can color code by application for quick retrieval. Make word processing red (get it?), database funky brown, and financial cash green. Spreadsheets can be powder blue. And, of course, software from Spite's competitors is lemon yellow.

Now for the catch. To get the quantity 1000 price of $1.00 each, you have to buy something else. Otherwise, the order is just too expensive to process. If you want just disks, and nothing else, our prices are below. These disks are 100% lifetime guaranteed. We will replace the disk or refund your money if any ever fail.

Quantity	Price
10	1.60 each
100	1.20 each
1000	1.00 each

Price for disks alone. Order any other product from us, and you pay only $1.00 each!

Headcleaner

Dump DOS errors!

Wet process head cleaners are hazardous. They can swell the pressure pad inside your drives. That's why we sell the non-abrasive dry process kind. No mess either. Just place the cleaner in your drive and "boot." Don't assume your drive is bad until you've cleaned the heads. $9.95

MathMate

Super calculator

MathMate adds powerful calculator functions to your computer and also has features that no calculator duplicates, like doing matrix operations, creating depreciation or amortization schedules, etc.

No Formulas To Remember

MathMate asks for data in sentence form, prompting for whatever it needs to complete a calculation. You just need to know what final result you want. Mathmate does the rest.

And It's Precise

MathMate maintains 14 digit precision throughout, making it suitable for all but the most demanding calculations. With this precision a calculation involving one trillion dollars would be accurate to the penny.

Financial and Statistical Wizard

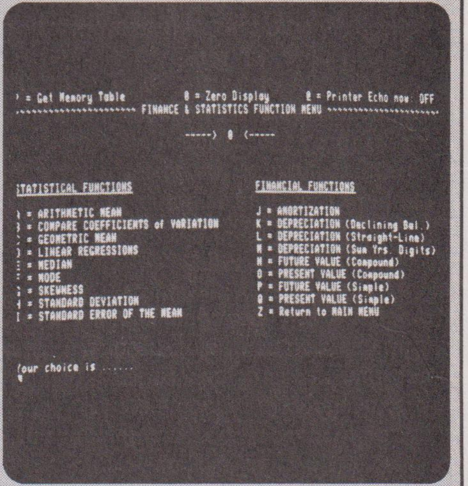
Suppose you need to calculate monthly payments. MathMate asks for purchase, interest rate and period. Enter the number of payments you want to make and MathMate produces a chart showing how much your payments will be, what portion of each goes to principle and interest, monthly balance after each payment, total payments and total interest paid.

The statistical section is really excellent. Select any number of data points, ask to have them sorted in ascending order and produce calculations like Arithmetic Mean, Coefficients of variation, Geometric mean, Linear Regression, Median, Mode, Skewness, Standard Deviation and others.

All The Usual, and Much More

Of course MathMate does all the usual calculations you'd expect, and it can store results in ten memory cells. You can label these cells with any name you choose. The memory cells let you integrate the various functions of MathMate, and labels let you recall what a memory cell contains without resorting to paper and pencil or relying on your own memory.

In all MathMate includes over 160 functions and calculations, providing a remarkable tool for solving difficult problems. The next time you need to see what your house payments would be like if you refinanced, or when you must convert the hex number A34F06F to decimal it will be a piece of cake. **Mathmate** is $39.95. Functions below:



```
) = Get Memory Table         8 = Zero Display      @ = Printer Echo now: OFF
~~~~~~~~~~~~~~~~~~~~ FINANCE & STATISTICS FUNCTION MENU ~~~~~~~~~~~~~~~~~~~~

                              -----) @ (-----

TATISTICAL FUNCTIONS                        FINANCIAL FUNCTIONS

 = ARITHMETIC MEAN                          J = AMORTIZATION
 = COMPARE COEFFICIENTS of VARIATION        K = DEPRECIATION (Declining Bal.)
 = GEOMETRIC MEAN                           L = DEPRECIATION (Straight-Line)
 = LINEAR REGRESSIONS                       M = DEPRECIATION (Sum Yrs. Digits)
 = MEDIAN                                   N = FUTURE VALUE (Compound)
 = MODE                                     O = PRESENT VALUE (Compound)
 = SKEWNESS                                 P = FUTURE VALUE (Simple)
 = STANDARD DEVIATION                       Q = PRESENT VALUE (Simple)
 = STANDARD ERROR OF THE MEAN               Z = Return to MAIN MENU


our choice is ......
```

MathMate Functions

Math: everything you'd expect plus ten memory boxes to label as you choose.
Algebra: logs and antilogs, x to the y power, roots, factorials, natural logs and antilogs, and more.
Trigonometry: about every conceivable function including hyperbolics.
Geometry: plane and solid calculations from circles and spheres to volume computed from the Frustum of a pyramid.
Matrix functions: for students being driven mad by matrix calculations there is Matrix addition, subtraction, determinants, transposition and inversion. MathMate can invert a 3X3 matrix with floating point numbers almost instantly.
Unit conversion: too long to list, but includes both Metric and English conversions.
Number base conversion: a godsend to programmers. Binary to decimal (and back), Octal to decimal (and back) and hexadecimal to decimal (and back).

Great Things From Tiny Booths

The *TURBOLINK 1200*

Our own Modem!

Every so often, a really wonderful opportunity presents itself. Our main business is software, and we weren't especially looking for a modem, but we ended up with one and this is how it happened. Bill and I were in Las Vegas for COMDEX, the big computer industry extravaganza. We hadn't seen much that was new or interesting, and after a long day our feet were burning and our stomachs were angry at us for those convention floor hotdogs we had gulped at lunch.

The Long Arm Of Bill

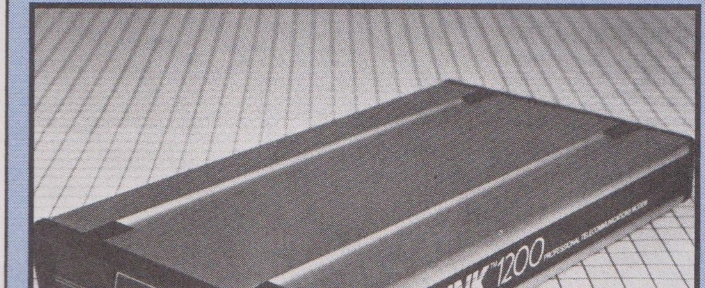
We had worked our way to the fringes, to the small booths obviously there on a low budget. By this time, I was thinking more about the parties that evening than about computers or software. I was beat, and was about to turn the corner and head to the exit when Bill grabbed me by the arm and yanked me back.

"Look at that," he said.
"What?!!," I replied, not a little annoyed.
"That!"

Bill was pointing to a sign done up in magic marker and cardboard. It read: **Hayes Compatible Modems, $299.** I must admit, I did get a little excited. I mean, 1200 baud modems had been threatening to break the $300 mark, but all the ones we had looked at were cheap plastic units with few of the Hayes features and none of its reliability. This one, though, looked like it might be different.

Chinese Silicon Valley Guys?

We started to talk with the folks staffing the tiny booth. If it wasn't for the heavy Chinese accent, I would have sworn they were doing a bad imitation of the stereotypical Silicon Valley computer nerd, right down to the plastic pocket pen protector and adhesive tape on their eyeglass hinges. But, they knew their stuff and after examining the modem as best we could, we decided that maybe there was something to their claim of 100% Hayes Compatibility.

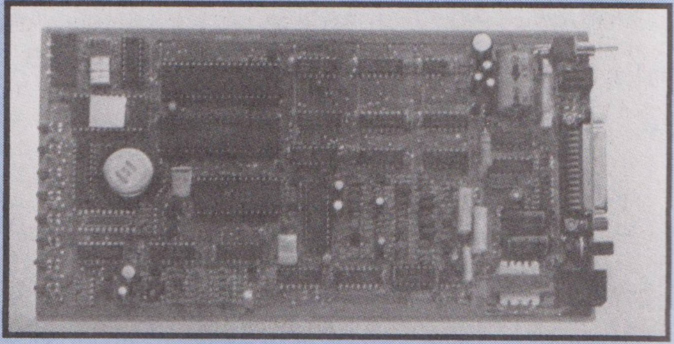


We'd Heard That Before

Those kind of claims have been made before, but the construction of the modem and obvious care taken in designing it so impressed us, we thought that just maybe this time it was true. Anyway, it was Las Vegas, so we took a chance and bought two, and took them home for testing.

Into The Guts

First thing we did was take our new shiny modems to a hardware techno-maven friend. Before we could protest, he had one apart and was admiring its internals.



"It's a nice piece of work," he said.

"It's a single board, rather than two as in the Hayes. It has a lower chip count because it uses a number of custom chips. It should be very reliable. Try it for a month and see how it works, but to me it looks like a winner. Nobody puts that kind of work and parts into bad design."

Long Story, Shortened

We gave our new toys every test we could devise, and we were very pleased with the results. We decided to pick the product up, and started selling the modems under their original name. They proved hardy and reliable products and we had a lot of satisfied customers. All of which got us thinking...

Improve It

Several months of high sales had revealed a few bugs in the product. Although the modems worked perfectly well for most folks, there were a few obscure situations where the Hayes worked and our modem didn't. Also, the manual was a bad translation of poorly written Chinese. These things bothered us, so we proposed a deal to the manufacturers: We would fix the bugs in the programming, rewrite the manual, and do final quality control testing here in the US if they would give us a lower price that we could pass on to our customers. They agreed, and the result is the *TURBOLINK 1200*, a truly Hayes compatible modem, and the only modem we know of with a **full three years parts and labor warranty and guaranteed 48 hour turnaround on repairs.**

We Did It

Our new *TURBOLINK 1200* is really something. It comes with our custom ROM, incorporating all the changes we made to bring it up to full Hayes specifications. And each and every

And The Stuff To Go With It

one of them is subjected to a torture test that includes 48 hours of constant operation in a room heated to 130° F. If it doesn't pass the test, it isn't shipped. That's why we are so confident of the quality of this unit, and how we are able to offer a full parts and labor warranty for three full years. No one else does that. Even Hayes only warrants their fine modem for two years.

Forty Eight Hours
That's right, if you call us and tell us your modem is on the way for repair, we'll pull a replacement from stock and put your name on it. We'll fix yours in 48 hours, or send you a brand new one. And, if you are in an especially big hurry, send the modem to us Blue Label, or Express, or whatever, and we'll ship it back to you the same way. At our expense! How's that for service?

Raves From Reviewers
Sypko Andreae, editor of The Morrow Owners Review wrote (Aug/Sept. Issue), *"The first thing I noticed was that this modem looks just like a Hayes Smartmodem 1200: Same size, same number of indicator lights. I opened it up to take a look inside and it even smells like a Hayes! The TURBOLINK 1200 modem with MicroLink II software at this price seems a fine deal to me..."*

If You Really Want, You Can Get It Alone...
We suppose that if you really want to, you can buy the modem alone. The price is $249.95, and you'll get a superb modem, with full warranty and great service.

But We Suggest The Package (Nudge, Nudge)
We would much rather have you get our complete Instant Use Package. Everything's included! This special deal gets you the modem and customized cable with a copy of The MicroLink II (see the review to the right). Additionally, you get an access code to our own RCP/M, a discount subscription (and $25.00 free access time) to BRS/BRKTHRU, one of the best of the online information services, and a free password and 30 days free use of the Official Airlines Guide discount flight booking system. This Instant Use Package is only $30.00 more than the modem alone, and at $279.95, you've probably guessed that we aren't making much of anything on the extras. There's a reason. Lots of things can go wrong with telecommunications if you don't have a well mated setup. With our package, success is guaranteed. And that means happier customers (and a happier technical support staff here!)

60 Day Money Back Guarantee
We guarantee our software and we guarantee this modem. Try it for 60 days; If you don't like it, we'll refund every penny.

Cables

Customized and shielded

You may already have a modem purchased from someone else. (Shame on you!) If you need a cable, we have shielded ones in six foot lengths in various custom configurations. $25.00.

The MicroLink II

Top flight telecom software

We all know that even the best hardware is worth little without good software. For modems, this means you need the best telecommunications software possible. And we have it. It's called The MicroLink II and it's included free as part of our complete package. (Regular price is $99.) The software report card from InfoWorld tells the whole story. This is top-notch software, all the way, and we have versions available for virtually every CP/M and MS-DOS computer (call for others). Telecom software is notoriously difficult to use, but not The MicroLink II. The reviewer said: *"In my opinion, ease of use is the most important criteria for a software product. MicroLink II makes it as easy as it gets."* It has many useful features too, including full XMODEM/MODEM7 support and the ability to take WordStar documents and transmit them as regular ASCII files. This means you can edit electronic mail in WordStar; very convenient! It's simply a well conceived, well executed and trouble-free program. And the documentation includes a step-by-step tutorial, a complete reference section, and a trouble-shooting guide. Thousands have been sold at $99.00, but The MicroLink II is included at no extra cost in our Instant Use Package.

InfoWorld
Software Report Card

Micro Link II
Version 1.10

	Poor	Fair	Good	Excellent
Performance	☐	☐	☐	☑
Documentation	☐	☐	☑	☐
Ease of Use	☐	☐	☐	☑
Error Handling	☐	☐	☑	☐

Price: *$99*

Included Free With Instant Use Package!

Prior Buyer Plan

Upgrade for loyal customers

We've talked with several computer companies and they have told us that they make their money on the upgrades. This isn't fair. We think our prior customers deserve thanks and support, not some sort of rip-off. So, if you have purchased a modem from us previously, and would like the new extras (ROM upgrade with complete instructions, RCPM access #, BRS and OAS subscriptions and The MicroLink II), it's only $30.00. We'll Stick With You...

The CP/M Difference

We all know our computers are powerful, reliable, cost effective workhorses - especially compared to overpriced and overrated MS-DOS systems. Spite is working to make your computer an even greater value by convincing some companies to charge lower prices for CP/M-80 versions of their products. Why would these software companies accept these lower prices, especially since the programs work as well as or better on CP/M then MS-DOS? Because they want us as publisher or distributor. The problem is that there are very few magazines targeted for CP/M. The usual methods employed in direct mail are too expensive.

If The Price Is Right

And if Spite is to market the software, we insist on low prices. We know people just aren't likely to buy $500 software by mail and we won't waste expensive catalog space advertising it Other companies are coming to realize it's better to sell good products at a low price then let them collect dust in a warehouse.

A Big Difference

All the software that falls into this category is marked *CP/M Difference* to let you know that you are getting a special bargain.

We'll Do Our Best

While we also try to get bargains for those of you with MS-DOS machines, some of those versions carry a higher price. Sometimes because of functional differences, but usually simply because the companies want to protect their MS-DOS market. If you are ordering an MS-DOS product, please take note of the correct price.

Here's a Bargain

A great example of the kinds of bargains we are arranging is our offer for the Certified Software package. The package originally sold in CP/M-80 for over $1000. The MS-DOS version presently retails for $595. We have arranged to sell you all three primary modules of the CP/M version for $149.00 We can also sell the same modules in MS-DOS for $249.00.

Certified Accounting

Security for your business

Accounting is an application where CP/M-80 machines are better suited (and usually faster) than MS-DOS computers. Accounting software is file oriented, so there is no need to address a lot of memory.

Certified by Touche-Ross

The Certified Software Accounting System is easy to use professional quality accounting software, certified by the national "big eight" accounting firm of Touche Ross to record transactions in accordance with Generally Accepted Accounting Principles, to provide reports normally associated with accounting systems for management use, and to provide appropriate audit trails. This certification process was very expensive (you could buy a house for less!) But because of it, you can be confident you are using a competent, accurate system to run your business.

What Do I Get?

Our $149.95 offer combines the three most commonly needed modules - General Ledger, Accounts Receivable, and Accounts Payable, along with a System Manager that integrates all the modules in the Certified Software Accounting System. For only $75 ($100 in MS-DOS) each you can also get optional Payroll or Inventory modules which fully integrate with your base system.

Great Reviews

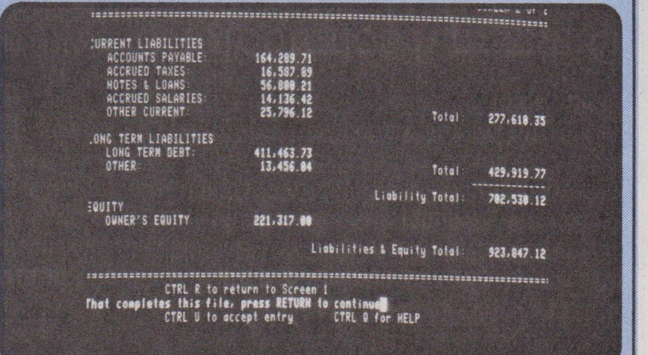
Personal Computing magazine raved about the certified software package in a review in the April 1984 issue. They said *"the system is easy to customize, and it works flawlessly."*

Personal Computing also said

"Touche-Ross & Co. reviewed and tested the software, and it's findings revealed that the product not only performed according to the manufacturers instructions, but was in accordance with generally accepted accounting principles and auditing standards." That's very important to know. Software that ruins your business is no bargain. The Certified Accounting System is time-tested, bug free, and certified to meet standards.

Automatic Transfer to Your Spreadsheet or Database

Another remarkable feature is that the Certified Software System integrates beautifully with Supercalc, Visicalc, Multiplan, WordStar, Personal Pearl, and most other spreadsheet, word processing and database programs. The transfer is simple. You simply select from a menu what type of spreadsheet or application to create. For instance, the General Ledger module will create an income statement file directly in Supercalc format, with all data appropriately labeled. You can then add formulas to the template to obtain the kind of analysis and custom reports you want. Imagine the advantage of transferring data to spreadsheets for "What-if" analysis, or computing break even points for specific products. Or consider transferring customer information to database files for maintaining mailing lists or answering customer inquiries. Integrating to your word processing software means you can write explanatory text right into and around your reports without retyping any data and with no programming experience necessary.



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;URRENT LIABILITIES
   ACCOUNTS PAYABLE:      164,289.71
   ACCRUED TAXES:          16,587.89
   NOTES & LOANS:          56,800.21
   ACCRUED SALARIES:       14,136.42
   OTHER CURRENT:          25,796.12                 Total:    277,610.35

.ONG TERM LIABILITIES
   LONG TERM DEBT:        411,463.73
   OTHER:                  13,456.04                 Total:    424,919.77
                                                             ------------
                                           Liability Total:    702,530.12
:QUITY
   OWNER'S EQUITY         221,317.00

                                Liabilities & Equity Total:    923,847.12

::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::
              CTRL R to return to Screen 1
That completes this file, press RETURN to continue
              CTRL U to accept entry       CTRL Q for HELP
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A screen shot showing preparation of the balance sheet. Note the clean layout of the screen, the ability to review the prior screen and the availability of Help messages. Attention to detail like this is evident throughout the system.

Certified Accounting System

Modules and Reports

General Ledger

Accepts entries from keyboard and from hard copy reports generated by Accounts Payable, Accounts Receivable, Inventory and Payroll modules. You can specify your own chart of accounts or use the standard chart supplied (We suggest using the supplied chart as a starting point for your own custom system).

Standard Reports: Activity by posting number; Activity Journal; Trial Balance; Account Balances; Accounts by Department; Income Statement; Balance Sheet; Chart of Accounts; Spreadsheet Data.

Accounts Receivable

Processes invoices, handles credit memos, cash receipts, partial and complete payments of money owed to your company. Automatically print customer statements listing each unpaid or partially paid invoice. Optionally calculates interest on unpaid balances for billing statements. Provides a distribution report for entry into the general ledger.

We much prefer this design choice to the automatic transfer schemes provided in some accounting systems. It leaves the process under your control. The automatic systems scare the dickens out of us, and it always requires more time to ensure that the data was transferred correctly and without duplication than it would take to enter concise data from Certified Software's compact reports.

Standard Reports: Journal; Ledger; Delinquent Accounts; Distribution Summary; Customer Statements; Customer List; Customer Mailing Label.

Accounts Payable

Produces a cash requirements report showing outstanding invoices by due date. You can set check printing dates and Accounts Payable will print the checks on those dates along with a check register for bank reconciliation purposes. You can change check writing dates at any time to manage your cash flow.

Standard Reports: Audit Report; Cash Requirements; Unpaid Invoices by Vendor; Checks; Check Register; Distribution Summary; History Report; Vendor List; Vendor Mailing Label.

Additional Modules
Payroll

Handles the payroll processing and tax reporting needs of most small companies. Provides for either printing or handwriting checks, calculates all withholding and net pay for hourly or salaried personnel, including overtime, sick and vacation pay. Provides all information for quarterly and annual state and federal report filings. Prints checks, report stubs, and check register for bank reconciliation.

Standard Reports: Payroll distribution; Checks; Check Register; Deduction Worksheet; Cumulative Report; Distribution Summary; Employee Roster; Employee Mailing Label; Quarterly Report

Inventory

A realtime application for controlling, maintaining and costing inventory. Give immediate information on stock level of any given item. Produces reorder information, stock status, sales by product class, inventory turnover, history by item and history by type.

The inventory reordering report also states the prime source for a stock item, the stock location, ond other information you desire. Inventory is a module that benefits especially from the easy customization of all the Certified Software modules. You can create an order entry system that produces exactly what you need to control this most cash-consuming segment of many small businesses.

Standard Reports: Stock Status; Inventory Activity; Reorder Notices; Price List; Sales by Class; History by Type; History by Item.

BUT I JUST HAVE A LITTLE BUSINESS

The Certified Accounting System meets a wide spectrum of needs, from part-time, one person operations to mid sized corporations. If you are starting a business or have been running your operation with paper ledgers or a simplified accounting system, do yourself a favor and get the real thing.

Don't Make the Mistake We Made

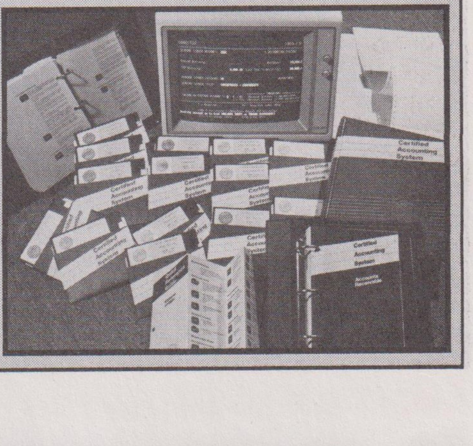
Our company is a good example of a bad example. We started off with a simple single entry system. It was easy to use and we thought it would be adequate. When we got just a little bigger and started worrying about taxes, we retained an accountant to help us over the rough spots. When he found out what we were using he hit the roof! It cost us a bundle for accountant time and lots of our own time and effort to upgrade to a system the IRS wouldn't sneer at.

Buy Only What You Need

If you believe you only need the General Ledger module you can save some money by purchasing it without the Accounts Payable and Accounts Receivable for $100 ($149 in MS-DOS). You can purchase other modules as needed.

PLAIN OR FANCY—YOU CHOOSE

The single difference between buying this software from Spite or buying it in a store for hundreds of dollars more, is that we eliminated the spiffy plastic case binders that are designed to "add perceived value". We provide the software with all manuals prepunched to go into your own binder. If you really must have the fancy binders shown in the photo we'll sell them to you for $20.00. They are certainly pretty.

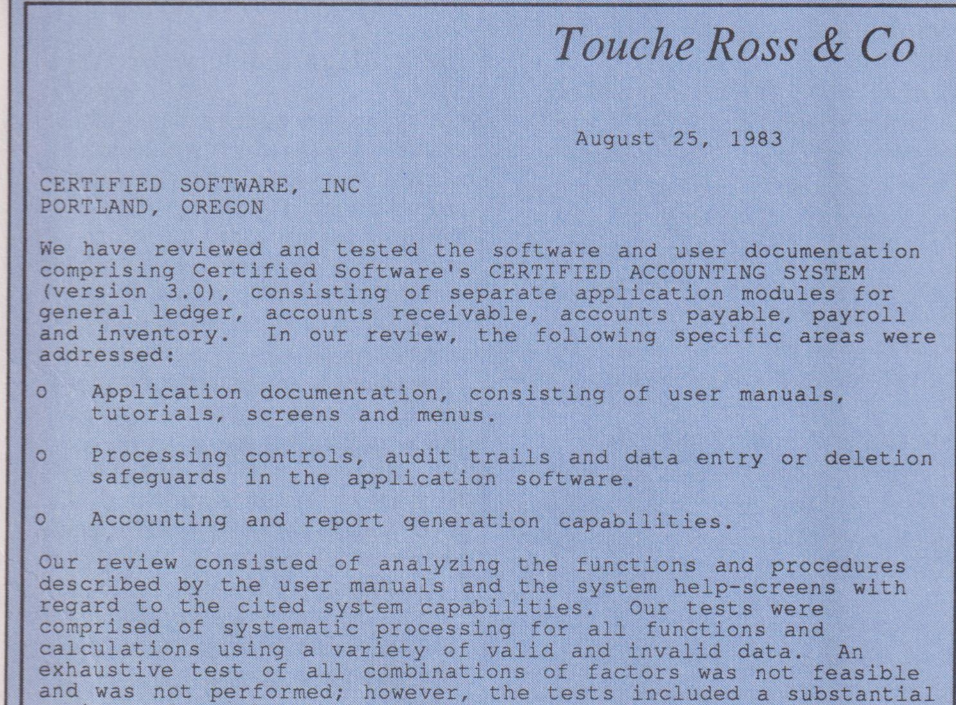


Big 8 Backing

Certified by Touche Ross & Co.

And Guaranteed by Spite

The performance of the Certified Software Accounting System is validated by the big eight accounting firm of Touche Ross & Co. This is the ONLY accounting software we know of that has been performance-certified in this way. Don't trust your business to lesser packages. Accounting is too important to trust to a cheap system. Banks, credit agencies and the IRS require that businesses use Generally Accepted Accounting Principles. This software is Certified to meet this very necessary requirement.



Touche Ross & Co

August 25, 1983

CERTIFIED SOFTWARE, INC
PORTLAND, OREGON

We have reviewed and tested the software and user documentation comprising Certified Software's CERTIFIED ACCOUNTING SYSTEM (version 3.0), consisting of separate application modules for general ledger, accounts receivable, accounts payable, payroll and inventory. In our review, the following specific areas were addressed:

- Application documentation, consisting of user manuals, tutorials, screens and menus.
- Processing controls, audit trails and data entry or deletion safeguards in the application software.
- Accounting and report generation capabilities.

Our review consisted of analyzing the functions and procedures described by the user manuals and the system help-screens with regard to the cited system capabilities. Our tests were comprised of systematic processing for all functions and calculations using a variety of valid and invalid data. An exhaustive test of all combinations of factors was not feasible and was not performed; however, the tests included a substantial variety of combinations of data and no errors were detected.

Based on our review and testing it is our opinion that Certified Software's CERTIFIED ACCOUNTING SYSTEM (version 3.0), as described above:

- Performs the functions as described in the user manuals.
- Comprises the major elements of a general purpose accounting system which should meet the basic needs of smaller businesses initially adopting a microcomputer-based accounting system.
- Enables transactions to be recorded in accordance with Generally Accepted Accounting Principles. Satisfactory results, of course, are dependent upon the user having an appropriate level of understanding of Generally Accepted Accounting Principles.
- Provides reports which include basic accounting information normally associated with such systems for use by management.
- Provides adequate consideration of auditibility in accordance with Generally Accepted Auditing Standards through suitable audit trails and internal processing controls.

Touche Ross & Co.
Certified Public Accountants

ONE SW COLUMBIA • SUITE 1500 • PORTLAND OREGON • 97258 • (503) 243-6333

Computer Pack

The Ultimate Plug and Go Deal

Elsewhere in this catalog you will find an advertisement from Trailing Edge computers for an excellent Televideo computer at a super price. We decided to offer the same machine, though in a different way. We are not going to sell the computer by itself. Instead we have created an accounting package deal that should be perfect for any small business.

Dedicated Computers

Our reasoning is that with prices this low it is cost effective for many people to add another computer dedicated primarily to a specific application. Since CP/M is particularly well suited for accounting we settled on it as a useful package deal.

Practical on Disk-Based Systems

Most accounting systems need a hard disk to be practical, but the Certified Accounting System is very frugal with disk space, and the Televideo has double sided, double density disks. The result is a system that can have 250 general ledger accounts and store 900 transactions on a single disk. The payroll system can handle records for 422 employees with the Televideo's disk capacity. Inventory can track 400 transactions concerning 700 inventory items on a single disk. So even fairly large companies can archive each month's activities on a single disk. Very practical. And smaller companies have plenty of room to grow. Very necessary.

Accounting Package

Everything you need to do accounting for your small to medium sized business. All five modules of the incredible Certified Software package - General Ledger, Accounts Receivable, Accounts Payable, Payroll and Inventory.

One More Added Service

We always try to do things a little different, to make use of our products a little easier. So we supply this package pre-installed on working disks. Just plug it in and start working. We even supply data disks and shrink-wrap your original archive disks - ready for you to store in a safe place. Nobody else offers you that kind of convenience. $895.

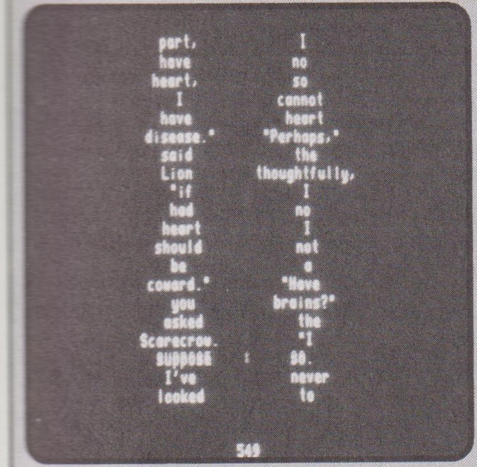
Reading Professor

Read faster and better

Some skill improvement training aids seem like they were made for computers. Typing trainers are certainly in this category—they provide a level of feedback and pace control that is impossible without a computer (see our ad for Touch N' Go on page 21.) Chess programs are also a great use of the computer—they provide you with a controllable skill level any time you choose to play (See MYCHESS on this page.)

Learn Speed Reading

Now we can categorically state that enhancing your reading skill is another 'natural.' Reading Professor is a superb trainer. It makes improving your reading speed and comprehension fun, fast and easy.



```
   part,          I
   have          no
  heart,         so
     I        cannot
   have        heart
 disease."  "Perhaps,"
   said          the
   Lion    thoughtfully,
   "if            I
   had           no
  heart           I
  should        not
    be            a
 coward."      "Have
   you       brains?"
  asked          the
Scarecrow.       "I
 suppose    :    so.
   I've        never
  looked         to

          549
```

Designed By Experts

The Reading Professor was designed for secondary school students, adults and professionals. Tested in several university studies, Reading Professor was shown "to be an effective and highly successful learning program" according to Arlinda Eaton, Ph.D., an associate professor at California State University who specializes in reading instruction and who consulted in the development of Reading Professor.

Double or Triple Your Speed

Speed and comprehension exercises in the reading professor are designed to increase your reading speed to 800-900 words per minute, though rates as high as 2500 words per minute can be exercised and monitored. Reading Professor also gives you the skills to read at many different speed/comprehension rates so you can zip through light fiction or maximize understanding when plowing through dense technical material.

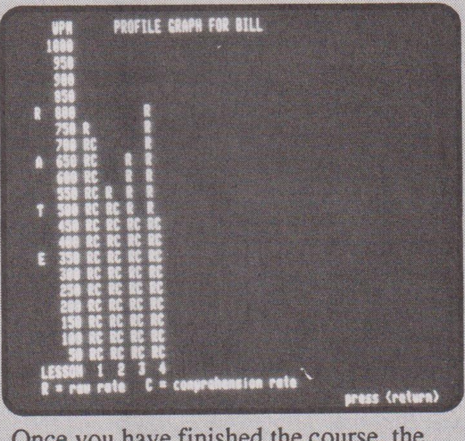
You begin with training lessons that help you identify and eliminate faulty habits, then you move on to sophisticated sight exercises.

Beats Costly Lessons

Using a computer allows great improvements on a proven reading training device called the tachistoscope. The computer tachistoscope is a considerable advance over mechanical ones because it's scanning window traverses each line as well as moving vertically.

Progress Reports

Reading Professor monitors your progress and displays it to you in graphics and text reports. It also maintains a personal profile that tracks speed and comprehension improvements as you go.



```
  WPM      PROFILE GRAPH FOR BILL
  1000
   950
   900
   850
R  800          R
   750 R        R
   700 RC       R
A  650 RC    R  R
   600 RC    R  R
   550 RC R  R  R
T  500 RC RC R  R
   450 RC RC RC RC
   400 RC RC RC RC
E  350 RC RC RC RC
   300 RC RC RC RC
   250 RC RC RC RC
   200 RC RC RC RC
   150 RC RC RC RC
   100 RC RC RC RC
    50 RC RC RC RC
LESSON 1  2  3  4
R = raw rate   C = comprehension rate
                          press (return)
```

Once you have finished the course, the Reading Professor provides valuable refresher lessons to prevent bad habits from reappearing.

Added Libraries—Interesting Reading for Practice

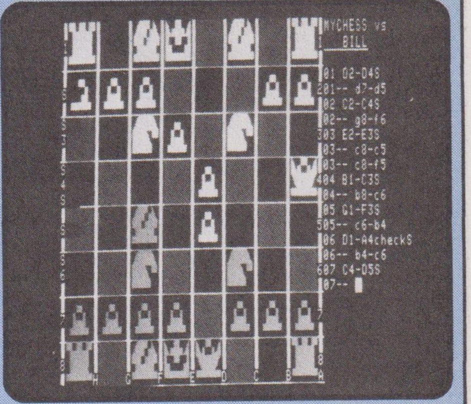
At only $59.95 with the general interest library included, the Reading Professor is a great investment, equal to or greater in value than courses costing many hundreds of dollars. Junior high, College and Professional libraries are also available for $15.95. Each can tailor the Reading Professor to your needs and provide fresh reading material to practice your new skills on. The professional library includes valuable information on time management, managing high tech companies, and interesting selections from books like "In Search of Excellence" and authors like J. Paul Getty and David Halberstam. All the libraries provide a wealth of interesting reading with varied degrees of difficulty.

In all, a great value, and an excellent investment for you and your family in improved ability to absorb more of the massive amounts of information we face each day.

Mychess

Ready when you are

Nine skill levels makes Mychess great for novice or pro. It's a great skill enhancer and an excellent application for a computer because chess is a skill that must be practiced, and with Mychess you'll have an opponent to match your skill level whenever you want.



```
MYCHESS vs
   BILL
01 D2-D4S
01-- d7-d5
02 C2-C4S
02-- g8-f6
03 E2-E3S
03-- c8-c5
03-- c8-f5
04 B1-C3S
04-- b8-c6
05 G1-F3S
05-- c6-b4
06 D1-A4checkS
06-- b4-c6
07 C4-D5S
07-- █
```

Mychess is an excellent trainer at higher levels of ability also, with an optional tournament play timer, the ability to display the best line of play and to switch sides at will. The board can be set up for problem solving, demonstrating multiple solutions, or for classic games.

Maybe the best part about Mychess is that on most computers, it produces a beautiful graphics reproduction of the playing board. Mychess won't bore you in the beginning game either. It knows 850 book openings.

Save games for later resumption or dump to your printer. Great Graphics, and you can even make it play itself. $34.95

C/80 3.1 Compiler

Full implementation

When I used to tell people three years ago that I programmed in 'C', they used to look at me funny. *"What is that,"* they used to say,*"something like CBASIC?"* Now virtually everyone is using it for serious development work. The reasons I chose it several years ago still hold true today. The C programming language is probably the best language to use if you want to produce tight, ultra-fast programs that can be recompiled on virtually any machine without change.

Dream Language

It's a programmer's dream language; it never hampers you with dogmatic restrictions like Pascal and always lets you express your programs in convenient ways. It lets you get as close to the computer's innards as you want (even allows in line assembler code), but also has a strong structured aspect that lets you write portable, readable programs. People often ask me to compare C with Pascal. I think the best answer is that Pascal assumes the programmer is usually wrong (requiring awkward constructs to get around the compiler) whereas C assumes the programmer is usually right and doesn't straitjacket you at all.

C/80

C/80 is a nearly complete integer implementation of 'C' under CP/M (an MS-DOS version is also available for the same price). It supports structures, static and register storage classes and data initialization. A full library of functions is included, many written in assembler, including dynamic memory management, and formatted input and output. The compiler outputs assembler code compatible with the absolute assembler provided (no LOAD needed), and can also work with M80 or RMAC. This compiler is everything you need to write ultra-fast .COM programs. By adding the optional Mathpak (see page 15), you'll have everything you need to write sophisticated programs ranging from word processors to spreadsheets.

The Best We've Found

We've written a lot of our software in C. In the past years, we have tried literally every C compiler for CP/M, spent several thousand dollars doing it, and always come back to C/80. If C/80 were a lesser compiler, we might still sell it, because the price is so low. Happily, we don't have to compromise one bit.

Others Agree

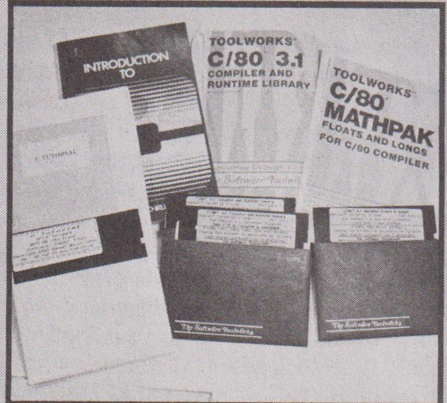
C/80 consistently scores at or near the top for code size, and speed of compilation and execution in published benchmarks. See the reviews in Byte (8/83) or MicroSystems (11/82). And there is one benchmark no one can touch: the low price of $49.95.

C-Pack

Learn C programming

Lots of people want to learn 'C', whether to get a taste of a truly professional language or because they have some special software project in mind. With C-Pack, we have bundled together the C/80 Compiler, the Floats and Longs upgrade (Mathpak), the book *Introduction to C,* and our very own C-Tutorial Disk. All at a price that makes it very easy to indulge your desire to learn 'C' now.

C/80 is the best CP/M 'C' compiler we know. Combined with the C-Tutorial Disk and book, we give you the perfect vehicle for learning 'C' fast. But here's the best part: Purchased separately, these products cost $115.80. Purchased as the C-Pack, they are only $99.95.


INTRODUCTION TO
TOOLWORKS C/80 3.1 COMPILER AND RUNTIME LIBRARY
TOOLWORKS C/80 MATHPAK FLOATS AND LONGS FOR C/80 COMPILER

C-Tutorial Disk

Now with windows!

The best way to learn a programming language is to read source code with the help of an experienced programmer. The C-Tutorial disk is the next best thing.

When you receive your C Tutorial Disk, you'll discover that there is a little graphics editor program, a .COM file. When you run it (it has built-in help windows) you will discover that it lets you create, fill, move and rotate graphics images on your screen.

What good is that for learning 'C'? Well, also included is the complete 'C' source code to the program (over 1200 lines), along with a complete annotation of the program on a nearly line-by-line basis. We also include a little program to number the lines of the source code file and print it on your printer, so you can follow the annotation comments easily.

The graphics editor is remarkable not only because it does something more or less useful, but because it uses nearly all of the special and more esoteric features of C. It also makes use of some very important programming concepts.

You'll learn about top-down structured programming, 'C' structures, 'C' operators and data types, file and device I/O, and advanced methods like BDOS calls and dynamic allocation and recovery of memory. We will also show you one way to implement windows, which let you have "virtual screens" that when closed replace everything that was underneath. Of course, the graphics routines are included too, all clearly explained.

Since all source code is included, you can modify the program, and then recompile it to see the results. You are completely free to enhance the program either for practical use or simply to gain working knowledge of the C Programming Language.

With this tutorial and C/80, you'll fast be programming in 'C' on your own. (Requires C/80 and Mathpak to compile, and double density disks) $19.95.

Mathpak

True 32 bit arithmetic

Many programs never need floating point and long arithmetic. For instance, our SuperDex and Writer's Aide packages were written using the standard integer only version of C/80.

Yet some programs like statistics, accounting programs, and scientific analysis need to store large values or use high precision floating point calculations. If you expect to write programs like these, then you need MathPak.

MathPak adds true 32 bit long and float data types to the C/80 compiler. It's completely transparent; just run an installation program to turn FLOAT and LONG on. A new runtime library that binds to your final .COM file is included to support calculations using these new data types. It's that easy and it can be added to the standard C/80 compiler at any time.

Long integers in C/80 with MathPak are 32 bit signed numbers in the range -2,147,483,648 to 2,147,483,647. Floating point numbers have 24 bits of precision (about 7 decimal digits) and an exponent in the range 10 to the ± 38th power.

Conversion and transcendental function libraries are also included, as well as augmented scanf() and printf() functions for full floating point value reading and printing (including scientific notation). Full source code (written in C and assembler) is there for your examination and modification if you like. The conversion functions allow easy conversion to/from floating point values to strings. The transcendental functions included are sine, cosine, arc tangent, square root, e to the f power, g to the f power, 10 to the f power, log base e of f, log base 10 of f, and absolute value of a floating point variable.

Incredibly, full use of floats and longs only adds 2.9K bytes to your .COM program, meaning sophisticated programs can be written on a 64K CP/M computer without strain. At only $29.95, the MathPak is a powerful addition to C/80.

C/NIX

Unix on CP/M?

C/NIX adds most of the power of Unix to any CP/M 2.2 system. C/NIX features include named hierarchical directories, redirectable I/O, and many of the commands and utilities of Unix (ls, cd, mkdir, tree, walk, grep, etc.) Even on-line Help! Also included are C source files that add UNIX style functions to any of your C/80 programs.

Where Am I?

Named directories are great. You can create separate directories (say, one for business and the other for personal letters). When you change directories, all you will see (using DIR or ls) are those documents relevant to each directory. C/NIX also adds a full pathname facility, so if you invoke WordStar from one of these directories, C/NIX will search your disk to find the program. This means you can have the orderliness of logically grouped directories along with the convenience of globally addressable programs.

Over Here, Over There

C/NIX, like Unix, has redirectable output and pipes. This means that any program that ordinarily prints on the display can have its output placed in a file, or printed on the printer, or sent as input to another program for processing. Alternatively, if a program expects its input to come from the keyboard, you can have it read a file instead. You can even turn on a "log" file, which captures everything that appears on the screen and places it in a file. A dazzling number of options and permutations is available.

Still CP/M

Even with all these features, you can still use DIR, TYPE, PIP or any of the other operating system utilities you have become familiar with. At $59.95, C/NIX is a remarkable package. It's a **big** package though, and we recommend it for daily use only for those with double-sided or hard disks. On other systems, it's still a great learning tool. If you want the power and features of Unix, or just want to learn something about this fascinating system, you won't be disappointed.

Lisp/80

Artificial intelligence

Right now, the Japanese are engaged in an ambitious project to produce a 5th generation computing system. If successful, this system will be able to reach conclusions on complex topics until now believed inaccessible to all but highly trained human experts. The Japanese have pinned their hopes on a programming language called Prolog. The US government, in cooperation with a consortium of private companies, has mounted a counter-project. The language this group is using is called Lisp.

Crest Of The Wave

If you feel that you might have missed out on the first revolution in computing technology, here's your chance to get an early start on what is bound to be the next area of major advance. Lisp/80 is the perfect experimentor's Lisp, because it's an interpretor like MBASIC. This means you can try things out interactively and get instant results. If the idea of machines that can learn intrigues you, as it does us, we suggest you pick up a copy of Lisp/80. And you won't need a hundred million dollar budget either, because Lisp/80 is...

Feature Rich But Only $39.95!

Lisp/80 runs on all CP/M-80 and MS-DOS computers. Patterned after the widely used InterLisp dialect, Lisp/80 offers sophisticated features like full recursion, most Lisp structures and functions, string operations, automatic garbage collection for reuse of memory, debugging aids, and ability to call fast machine language subroutines. The package also includes an editor written in Lisp, and several example programs, including a guessing game that "learns" as it goes along. About the only thing missing is a compiler to produce standalone programs.

Lisp/80 won't make you an artificial intelligence expert and CP/M and MS-DOS computers really aren't powerful enough for significant artificial intelligence research. But Lisp/80 will give you a low-cost introduction to this fascinating area. We are sure you will enjoy trying it out.

Turbo Pascal 3.0

The ultimate Pascal

We love Turbo Pascal—and we hate Pascal. We know that sounds a little looney. But Turbo is so good for development that we have mostly abandoned C and are writing all our new software using Turbo. And that's not because we like Pascal so much as a language, in fact we dislike it's constraints and goofy rules—we much prefer the flexibility and terseness of C. But the Turbo environment is so easy to use and so fast that we must use it for commercial work. We used Turbo for ***Thoughtline***, MM-Sort, and are using it in the pending rewrites of Meal.Calc and Bucks. What's so great about it?

1. It's fast! Code compiles in seconds instead of minutes—over 20 lines per second. There are no separate editors, linkers, or assemblers involved. And completed code runs fast—because Turbo produces .COM files optimized for the Z-80.

2. It's a superset of the Jensen-Wirth standard with artful additions that make Pascal far more palatable and useful.

3. Turbo works on both CP/M and MS-DOS machines. Your code is easy to transport. Even a complex program like ***Thoughtline*** required only minimal changes to run in MS-DOS.

4. It's a snap to debug. After writing your code using the built in WordStar compatible editor you tell Turbo to compile. When it finds an error it stops, drops back into the editor, positions the cursor on the mistake and tells you what the problem is, with clear messages like "expected semicolon here".

5. Automatic overlays are as simple as specifying **Overlay** before the procedure or filename. This is great for CP/M computers, because it means that your programs can be virtually as big as you want without worrying about memory size!

6. Directly generates .COM files. No messing with assemblers or linkers and no runtime modules to include.

7. After Turbo has successfully compiled a program you can run the program from inside Turbo. When the program is done Turbo reloads the editor and your source file. Just type **E** to go in and correct run-time bugs. Just another reason program development is easier and quicker with this system than with any other we've ever used.

We sell the latest version and that includes the slick sample program: MicroCalc, a spreadsheet in ready to compile source code. A quite good one at that.

If you are writing software, or you want to learn to program, you must have Turbo Pascal. Whether you buy it from us or get it elsewhere, buy it. Period. $69.95.

Spite Gives You More

When you buy Turbo from us, you also get a special disk full of Turbo Utilities. Here's why: We were a little ticked off when Borland raised the price of Turbo Pascal to $74.95. For MS-DOS users the new version is worth the difference—it cleans up some bugs and has some great features. CP/M users didn't get much for the extra 20 bucks—a better manual and a few improvements that serious programmers will find nice.

Turbo is really worth twice its price (it always has been), but we feel we need to compensate our customers somehow, and so we have developed our Turbo Utilities, included with every purchase of Turbo Pascal 3.0. This disk contains graphics routines for CP/M, a low-level debugger and a special program that creates Pascal source code for data input screeens (a big timesaver). You can't buy it; it's free with any order of Turbo Pascal from us.

Turbo Tutor

Get started quickly

Turbo Tutor is an excellent 150 page book and two diskettes full of commented source code from the book. It gives a gentle and clear explanation of Turbo Pascal that will have you writing your own Turbo software by the time you've completed the course. At only $29.95, it's an inexpensive education.

Turbo Toolbox

Handy routines in Pascal

- Quickly index and access records by keys (the same method that dBase uses, only Turbo is faster!).

- Sort records with a very sophisticated virtual memory Quicksort.

- Automatically create a complete installation program for your Turbo creations so you can distribute them for any computer.

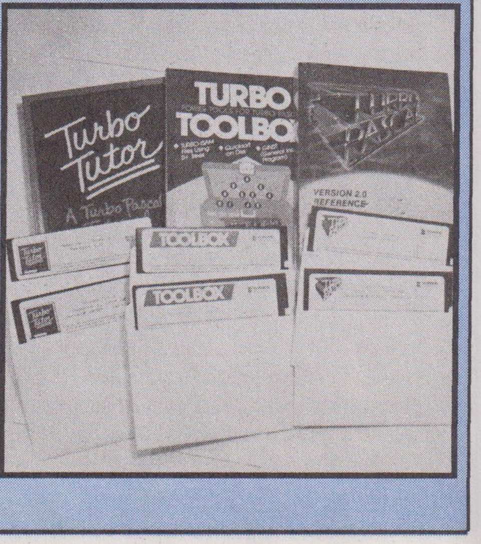
These tools have saved us endless hours of coding when we integrate them into our software. There is also a sample database program included free (with all source code, permitting easy modification) that many people find meets all their database requirements! Quicksort is equally easy to use—just pass it the data records and it returns the file in sorted order. The virtual memory algorithm means your only sorting limitation is disk capacity.

For the low price of $49.95, we highly recommend Turbo Toolbox.

Turbo Pack

All you need!

If you're going to get started in Turbo you might as well get the whole setup. Our package includes Turbo Pascal, Turbo Tutor, Turbo Toolbox and Spite's own Turbo Utilities disk. Great products at a great price of only $114.95.



MTBasic

Is this Turbo Basic?

Imagine That!

Imagine Basic with features and power comparable with Turbo Pascal. Imagine Windows and Multitasking as functions. Imagine a BASIC that compiles to directly executable **.COM** files without a run-time module, and does it so fast that it seems like you're using interpreted BASIC. You've just imagined MTBasic.

Better Than BASCOM

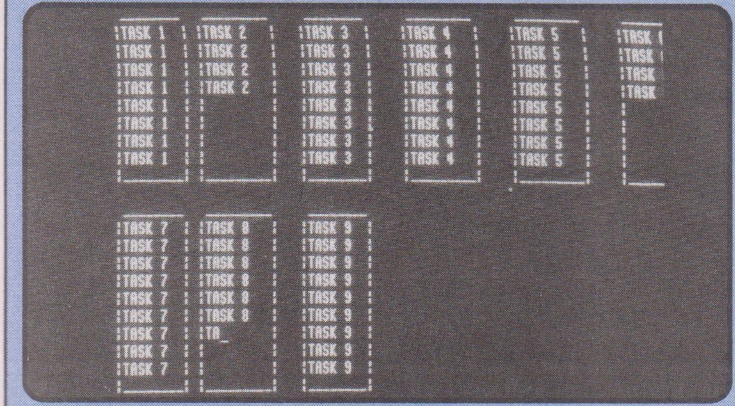
Unlike BASCOM (the Microsoft compiler), you won't need to learn the obscure syntax of a complex compiler, linker and assembler. You just type DISK COMPILE to save an MTBasic program on disk as a .COM file.

Lightning Fast

Even if you've written a complex program, MTBasic won't leave you twiddling your thumbs while it compiles. It's incredibly fast, compiling over 100 lines of code per second. Execution time is even more extraordinary. MTBasic ran ten iterations of the Sieve benchmark (Byte - September 1981) in 26 seconds. MBasic took 1400 seconds. But most important, instead of costing over $300 as Microsoft's BASCOM does, MTBasic costs only $49.95!

Even Does Windows

MTBasic handles windows as a built in function and is very simple to use. Even drawing frames around the window is a function. Text beneath the window, and even text in a window beneath a window, is preserved and restored when you close the window. You can do pop-up menus easily, transfer values from one window to another or to the main screen. And because MTBasic is multi-tasking you can have different jobs running at the same time in different windows.



```
 ________   ________   ________   ________   ________   _____
:TASK 1  : :TASK 2  : :TASK 3  : :TASK 4  : :TASK 5  : :TASK
:TASK 1  : :TASK 2  : :TASK 3  : :TASK 4  : :TASK 5  : :TASK
:TASK 1  : :TASK 2  : :TASK 3  : :TASK 4  : :TASK 5  : :TASK
:TASK 1  : :TASK 2  : :TASK 3  : :TASK 4  : :TASK 5  : :TASK
:TASK 1  : :        : :TASK 3  : :TASK 4  : :TASK 5  : :
:TASK 1  : :        : :TASK 3  : :TASK 4  : :TASK 5  : :
:TASK 1  : :        : :TASK 3  : :TASK 4  : :TASK 5  : :
:TASK 1  : :        : :TASK 3  : :TASK 4  : :TASK 5  : :
:________: :________: :________: :________: :________: :_____

 ________   ________   ________
:TASK 7  : :TASK 8  : :TASK 9  :
:TASK 7  : :TASK 8  : :TASK 9  :
:TASK 7  : :TASK 8  : :TASK 9  :
:TASK 7  : :TASK 8  : :TASK 9  :
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:TASK 7  : :TA_     : :TASK 9  :
:TASK 7  : :        : :TASK 9  :
:TASK 7  : :        : :TASK 9  :
:________: :________: :________:
```

Does Ten Jobs At Once

Multitasking is really an exciting opportunity for creative programming. MTBasic can do up to ten multi-tasked jobs. This means you can write programs that continue to compute while waiting for input from the user, games that continue to run while the player gives direction from the keyboard. Write programs that take input, compute and print all at the same time. It's very easy to do the multi-tasking; MTBasic does the hard work.

Powerful or Simple... You Choose

MTBasic is fully recursive, permitting use of sophisticated algorithms that could previously only be coded in languages like Pascal or C. It can be as powerful a language as you want... or it can be very simple. If you know the rudiments of Basic you can start right in using MTBasic. As you grow in knowledge, the powerful features are always there, waiting for you to use them. You won't outgrow MTBasic!

Great for Beginners

Beginners need powerful software like this because it speeds the learning process. No fooling with linkers, no figuring out which software switches to use or what libraries to include. And none of the slow running time and limitations of interpreted Basic.

At the other end of the spectrum, experienced programmers have full access to error handling, disk read and write functions, device control and a host of functions not usually found in Basic. You even have SEEK, a fast random access disk searching tool.

Its Not A Cheap BASCOM

Standard MBasic programs are not always directly compatible with MTBasic. The compatibility depends on how sophisticated the MBasic program is. The more MBasic string handling routines used, the more editing will be required to compile the program. We generally rewrite MBasic programs to take full use of MTBasic's advanced features and usually find it a fairly simple process.

New Stuff

The latest version of MTBasic has a function definition statement, so you can write about any routine you'd like and execute it with a single command. There is also a CALL command - write optimized, hot routines in C or assembler and then wrap the very controllable MTBasic environment around them.

The Usual Spite Advantage

Our usual software guarantee holds true for MTBasic. Give it 90 days, and if you don't like it, we'll refund your money.

The Other Spite Advantage

We have made special arrangements with the originators of MTBasic to rewrite their manual to provide more information to the beginning user. All the condensed info is still there for you software superstars, but there is now a tutorial section as well, with more explanation and more examples.

We have also included a disk full of useful programming examples to go along with the Tutorial section. The disk also includes useful program modules like sort routines, input error handling code, a benchmark (sieve), a mailing list filing system and a budget planning program.

All this (MTBasic, New Manual and examples disk) is only $49.95 (Same price in MS-DOS).

SmartKey II

Make any key, anything!

"Excellent," writes InfoWorld Magazine.
"A must for every computer," says Peter McWilliams, author of The Word Processing Book.
"It's a time, error, effort and frustration saver," exclaims MicroComputing Magazine.

Wonder what they are so excited about? Well, have you ever wished for more function keys? Or tried to use a function key for boilerplate text and been frustrated by a lack of storage space? Ever wanted to change a function key while working in a program, but given up on the idea because it would mean saving everything, loading SETUP and probably losing track of your train of thought?

Oh, Cruel World!

All these things have happened to us and we don't think we're alone. Function keys are great, but they have been put on our computers in a sort of half-way fashion: Just good enough to make us want to use them, but not good enough to let us really get the most out of them.

So What's So Bad?

Ten function keys might have seemed like more than enough when you first got your computer. I'll bet it doesn't anymore! What's worse is that these ten keys usually can only hold a total of about 150 keystrokes. Compounding the problem, if you need to change a key (except on the Vixen), you have to go back to the A> prompt and run SETUP. And, if you want a separate key setup for each program you run, that means a special boot disk for each. Yuk!

You'll Love It

If any of these problems sound familar, we have the answer. It's a slick, inexpensive, little program called SmartKey II. We use it and love it; everyone we know who uses it loves it. Even the reviewers love it (as the excerpts above show). And we're sure you'll love it, too. It's covered by our 90 day guarantee, of course, so even if you don't love it, we'll send you your money back (so you'll continue to love us!). We really mean it when we say that everyone should have this program.

Don't Tell Me; Show Me!

Enough of this talk about how good it is. Here's how it works: When you first start your computer, you load Smartkey II. Then you use your computer like you always do. If you ever want to redefine a key (any key, not just a function key), just hit the trigger key (it comes as ESC, but you can change this). Smartkey then asks which key you want to redefine. Type the key, and then the keystrokes you want to store in the key. Tap the trigger key again, and *viola!*, you've got a new function key! You can do this with as many keys as you want, even while running a program! If you like, you can even save your definitions and then reload them intact the next time you run SmartKey II.

You Can't Fool Me!

You sharp readers are probably thinking to yourself, *"Well, a lot of good that does me. I need all the regular keys, and nearly all the Control-keystrokes are used by WordStar. That puts me back to using my Function keys (though it would be nice to be able to change them from within my program). But that's hardly worth bothering with. Right?"* Nope! The new Smartkey II includes a SuperShift key and like the regular shift key, it doubles the meaning of any other key. This means that any of the regular keys can become a function key—all without interfering in any way with its regular use!

Virtually Unlimited Power

The result: Virtually unlimited function key power. And any "smart-key" can have as many as 3,750 characters (regular or control keys) associated with it. Just type that one key and out comes one heck of a lot of text!

Finally, Smart Boilerplate

And just so you don't think you are going to have to spend all day entering your keys, SmartKey II lets you write a key definition file with WordStar. So, if you already have boilerplate text in WordStar, you're all set!

Extras, Too!

Our customers have come to expect all the extras, and we deliver. Our version of SmartKey II comes with definition files ready for use with WordStar, Perfect Writer, and dBase II. We even include a file for redefining your keyboard in the efficient Dvorak layout. To top it all off, we also include a copy of our exclusive Data Label Keys, stick-on vinyl control key labels with a bunch of blank labels that you can use to show the new functions your keys have. Only from Spite and only $49.95.

SmartPrint

Companion to SmartKey II

You've probably seen the ads for quick patches to WordStar that take full advantage of your printer. This is a great idea, but all it does is patch WordStar. You are back to square one with your other software. SmartPrint is different. It sits in memory and watches what's being printed. When it sees a special trigger sequence, it sends the special codes that make your printer go into boldface, or italic, or wide, or anything else your printer is capable of. Best of all, SmartPrint works with any program! It's easy to use, too. Just put a \ followed by the special effect you want. For instance: `\BBold\b`, `\Iitalic\i`, `and` `\Wwide\w` is printed like this: **Bold**, *italic*, and wide. That's all there is to it, and it works in WordStar, SuperCalc, dBase II, anything that prints. SmartPrint is a SmartKey option (requires SmartKey) and a real bargain at $29.95.

Twice As Smart—Only $59.95

Buy both SmartKey II and SmartPrint for $10.00 off ($59.95) We'll include all the extras; the key definition files, the Data Label Keys, and of course, our 90 day guarantee of satisfaction. We are certain you will be pleased.

Fun & Games

Infocom Games

Our accountant hates these

Carrying these games is one of the things we do that just doesn't look real good on the old income statement. We haven't been able to work out any kind of deal with INFOCOM so we wind up buying them from SoftSel. The discount is lousy.

Worse yet, they only come in Kaypro format. That means we have to download to other formats. Considering all other costs, it's a money loser. Why do it then? Norm and I talked about dropping them, but we couldn't do it. We know the satisfaction you'll get from them. So we decided to bite the bullet for one more catalog. The bean counters don't run the show yet.

If you have never tried an Infocom game you're in for a treat. They're a text adventure—a cross between an engrossing novel and a clever set of puzzles. Like old time radio—the color, action and delight of the games comes from your imagination.

There are four levels of difficulty, from JUNIOR (mostly for kids) to EXPERT. If you are new to these games start with a STANDARD difficulty game.

Zork I

Underground empire

This is the best selling computer game of all time. With good reason. It's similar to the classic underground game Adventure, but more complex and detailed. For one thing Zork understands whole sentences. You, the adventurer, are trapped in an enormous cavern with trolls, thieves and a minotaur. Collect the booty and get the heck out. Easier said than done. We recommend Zork as a way to begin your addiction to Infocom games. STANDARD difficulty, and like many addicting things, the first one's cheap—only $39.95.

Zork II

The Wizard waits

Don't go back into the pit, you fool! It's all changed now, and this time there's a diabolical wizard who has a mind of his own, and he's using it to make your life miserable—and short. ADVANCED. $44.95.

Zork III

The Dungeon Master

You guys never learn. One more time into the pits, again they're all new, and even more complex. The Wizard has been replaced by the Dungeon Master. By comparison the Wiz was your best buddy. ADVANCED $44.95

Deadline

Who killed Robner?

This is a GREAT game. A classic locked door murder mystery. You, the detective, must sift through clues and evidence to find the killer before time runs out. With a dossier of clues and evidence you move through the estate of the victim, searching for a solution. Ask questions of the characters, but they can move freely as well, and they have their own schemes.

We've solved Deadline at Spite, so as part of our policy to help our customers in all ways, we'll give you **one** clue if you get really stuck. EXPERT $49.95

Hitchhikers Guide to the Universe

Don't panic!

And now, for something completely different; an adaptation of Douglas Adams' best selling science-fiction comedy! Remain calm and you can get on the ship before earth is detonated. Then one simply needs an adequate supply of towels and the ability to get along with assorted odd creatures and a paranoid android or two. A lot of fun. STANDARD. $39.95

Planetfall

Robots and more

You must escape from an exploding starship to a planet with plenty of problems of it's own. Floods, plague and mutants to name a few. Fortunately you have Floyd to help you—a multipurpose robot with an unfortunate sense of humor. Together you explore the planet. STANDARD $39.95

Infidel

You and Indiana Jones

Off to Egypt for a bit of adventure. Find your way into the pyramid, decipher the heiroglyphics, and get the treasures. Fiendish minds designed this pyramid! ADVANCED $44.95

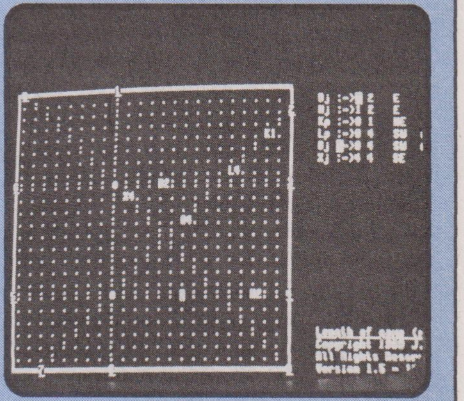
Other Great Games

Airport

You're fired, you klutz!

Airport is a video game that does more than enhance your hand-eye coordination. It teaches you fast, three dimensional thinking.

You are an air traffic controller. The display screen is your radar scope. You guide traffic from single props to jumbo jets to safe landings by issuing flight directions. Screw up and you're fired!



Sometimes a Little Too Real
Written with the aid of a professional air traffic controller, Airport brings realism and grown up action to the world of video games. At only $19.95 it's just the kind of break you need from serious software.

Eliza

The computer shrink

This is the famous computer psychologist—not a simple BASIC version, but a complete re-creation of the original artificial intelligence program.

You respond to the computer's questions and soon it is crafting a dialogue based on your responses, drawing you into a conversation with often eerie insight. Great at parties or in response to the question "What's this computer of yours do anyway".

Includes the original MIT research paper and documentation that helps you personalize Eliza. $24.95.

Professional Writing Package

Power tool bargains

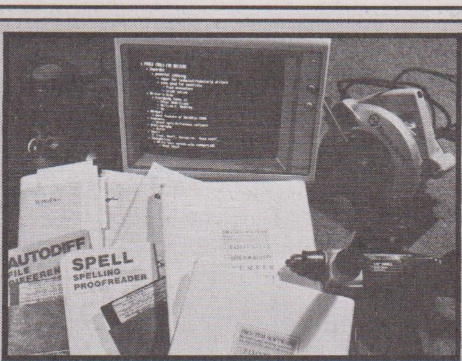
CP/M computers make the best word processors around. Because CP/M computers are so good at word processing, and because writing is one of our personal interests we are familiar with the best in word processing software.

We have never found anything better than WordStar or NewWord, so we scoured the country looking for the best tools to work along with these two great programs. Some we co-publish with the original authors at a lower price, some we distribute for other software companies, and many we have written ourselves.

But all of them are part of our special Power Tools Quantity Discounts Program. Mix and match however you like, and feel free to put together a "consortium" of your writing friends for greater bargains. (Only one shipping address, and no "sharing" of the same program please!) Here are the discounts, and beneath that are the programs that are part of our Power Tools Package.

Buy	Discount
Any 2	3%
Any 3	5%
Any 4	7%
Any 5	10%
Any 6	15%
All 7	20%

•*Thoughtline* - our fabulous new outline processor. See pages 2 and 3.
•**Writer's Aide**, seven utilities to make life easier. See page 4.
•**MM-Sort**, sorts MailMerge files. Pg. 5.
•**SuperDex**, an advanced indexer. Pg. 4.
•**Footnote**, makes footnotes a breeze. See this page for a full description.
•**Bibliography**, simplifies bibliographies, maintains files of the references you use. Works with Footnote too! See page 21.
•**Spell**, our favorite spelling checker: small, fast and accurate. See page 21.
•**Number**, paragraph numbering. Pg. 20.
•**Notebook**, text database. See this page.
•**Autodiff**, easy document revision control. See page 21.



Some of the "power tool" bargains, laid out next to power tools of a different type

Footnote

Professional flair

Footnoting adds professionalism and style to any important document you are preparing and makes a favorable impression on whomever you are trying to communicate with—your peers, your teacher or your boss.

But What a Pain
Unfortunately footnoting is tedious, so generally only scholarly work is footnoted—though almost any kind of writing could benefit from the inclusion of footnotes to clarify points without disrupting flow.

Don't Stop, You're Cookin'
With Footnote you don't interrupt the flow of writing. Simply enter a @ where you want to refer to a footnote. Write the footnotes later, wherever you like—in a separate file if that seems handy. Footnote numbers your references and your footers consecutively and places the footnotes at the bottom of the appropriate page or into an ordered separate footnote file. If a footnote is too long Footnote can carry it to the footnote region of the next page.

Footnote creates a standard WordStar file. Edit the file in any way you choose: add, delete or modify footnotes or text, then run footnote again to renumber and reference the manuscript. Footnote even correctly maintains cross-references.

Footnote makes it all easy and accurate, and with the *CP/M Difference* you can add professionalism and flair for only $59.95. (Formerly 99.95).

Notebook

Text database

Notebook lets you handle the kind of data that most people need to maintain—large blocks of text—with the fast searching ability of field oriented database systems. Retrieve the information in any of several ways:

- records in a group
- records with specific words or phrases:
  - -in any field (fast)
  - -in specific fields
- Sort by text beginning a field (fast)
- Sort all records by key word or phrase

Built In Editor
Use Notebook's full screen editor (WordStar keystrokes) with word wrap to enter data or import text from word processors and database systems. Each notebook record can have up to 4000 characters in 20 fields with 500 characters to a field.

Notebook is a *CP/M Difference* bargain—a potent text database for only $69.95. It originally sold for $150. Not for use with Osborne 1 or old ROM Executives.

Number

Correlates paragraphs

Not to be confused with the NUMBER utility in Writer's Aide (page 4) which numbers text lines, this program numbers paragraphs, sections (as in legal documents) or other items. Choose from seven different numbering styles, including arabic, roman, letters, written cardinals and ordinal numbers, outline form and multi-decimal numbers.

Cross References
But the best thing about Number is that it accurately cross references and renumbers the document if the location of paragraphs or sections change. Thus, if your contract refers to section II (c), and a new clause is added, a pass through with Number will make the new reference to II (d). Works great!

Number is a *CP/M Difference* bargain, so you can afford to stick it in your toolkit. $59.95.

More Writing Tools

Bibliography

Makes an impossible task easy

Bibliography compares citations in your manuscript to entries in a master file and creates a bibliograpy of all citations.

As you encounter books in your fields of interest, add them to a master bibliographies file. An especially handy feature is that you can use your word processor or Notebook (the text database, pg. 20). Notebook is like an automated cardfile, speeding reseach even more.

When you prepare a manuscript, just enter citations in your usual form with a percent sign in front of the citation.

Tracks Down References

Bibliography constructs a bibliography of all works cited—alphabetically or in order of citation with entries numbered or unnumbered. Include or exclude special notations in the bibliography, and you can edit the finished work as you choose.

Bibliography makes a difficult job pleasant, and maintains a useful file of reference material as well. It's another of our *CP/M Difference* bargains. Was $99, now it's $59.95 ($114.95 MS-DOS)

Spell

Fast and compact checker

We have been selling and using Spell for a long time. It's like a favorite screwdriver to us—a no frills tool that works just the way it should: fast and accurately. Even better, Spell is small enough to fit on a SSDD disk right along with WordStar or NewWord.

Spell isn't exotic. It just shows words it can't identify one at a time, and if you choose, marks them in the text so WordStar's search function can fix them.

Spell is fast. Up to four times faster than competing spelling checkers. That's important. Any tool used frequently must be quick and easy to use.

You can even create new dictionaries, such as a legal or medical dictionary, to quickly find and correct special terms. And Spell is only $49.95.

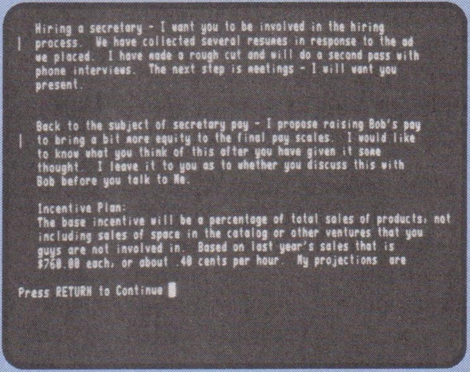
Autodiff

There's no substitute

Autodiff does something that sounds simple, but is actually quite difficult. It locates the differences between any two files, whether they are text or binary. In text files, Autodiff can imbed revision markers in the left margin. Great for working with multiple revisions.

Not Just For Emergencies

In reading the product description, people assume Autodiff is just for emergency use—for finding out which of two similarly named files is the latest version of a written work or locating the changes that sent your new program off to the stratosphere. And they're right to a degree. But we find Autodiff to be more than just a handy life ring when we screw up. It's a time saving tool for daily use.



```
   Hiring a secretary - I want you to be involved in the hiring
|  process.  We have collected several resumes in response to the ad
   we placed.  I have made a rough cut and will do a second pass with
   phone interviews.  The next step is meetings - I will want you
   present.


   Back to the subject of secretary pay - I propose raising Bob's pay
|  to bring a bit more equity to the final pay scales.  I would like
   to know what you think of this after you have given it some
   thought.  I leave it to you as to whether you discuss this with
   Bob before you talk to Me.

   Incentive Plan:
   The base incentive will be a percentage of total sales of products, not
   including sales of space in the catalog or other ventures that you
   guys are not involved in.  Based on last year's sales that is
   $760.00 each, or about .40 cents per hour.  My projections  are

Press RETURN to Continue █
```

Automatic revision marking means we don't have to review the entire text of a redraft—just look at the changes noted by the revision markers. This saves time in the review process as well.

Disciplined Programming

Use Autodiff to mark changes in program source files for each debugging pass and for each change made to software. Then keep a hardcopy record of each stage of development. It's a great way to document the evolution of your software, and it sure helps when things go sour.

No Matter How You Use It

Whether you use Autodiff frequently or it sits in your toolbox for emergencies, it's unique and valuable software. When you need it, there's no substitute.

Autodiff is a bargain at $29.95

Flying Fingers

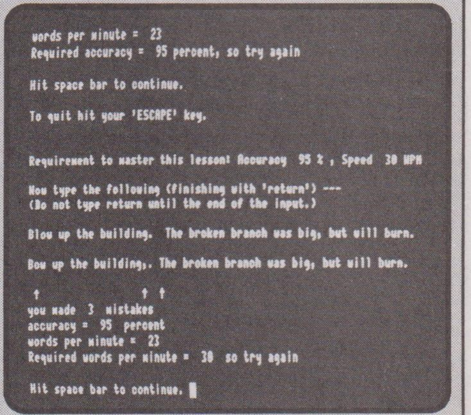
Learn typing right

Touch 'n Go is the kind of typing tutor people have been asking for—a cheap one. Well, that is what your letters asked for!

But we think this is much more than a cheap program. It works very well. In fact, my daughters greatly increased their typing speed and accuracy in just a few hours using Touch 'n Go.

It's A Natural

Typing training is a great application for computers. Not only does it train in a much needed skill for computer users but the computer is the best place to learn typing skills. Timing, skill progression and scoring is automatic. And Touch 'n Go has enough variation to overcome the tedium of conventional typing drills.



```
words per minute =  23
Required accuracy =  95 percent, so try again

Hit space bar to continue.

To quit hit your 'ESCAPE' key.


Requirement to master this lesson: Accuracy  95 % , Speed  30 WPM

Now type the following (finishing with 'return') ---
(Do not type return until the end of the input.)

Blow up the building.  The broken branch was big, but will burn.

Bow up the building,. The broken branch was big, but will burn.

 ↑                  ↑ ↑
you made  3  mistakes
accuracy =  95  percent
words per minute =  23
Required words per minute =  30  so try again

Hit space bar to continue. █
```

Another reason typing tutors are a natural for computers is that one of the biggest barriers to making use of a computer is developing typing skills. Especially for kids. They'll put up with hunt and peck for awhile, but it makes the computer more of a toy than a tool. Further, if you let them get away with just hunt and peck they will develop bad habits that may take years to break.

TIP: If you order another item along with Touch 'n Go, we suggest you pick Data Label Keys as your Freebie. It has enough blank stick on labels to let you mask all your keys for the most effective practice.

In any case, Touch'n Go is real cheap at only $24.95.

So Even Spite is Abandoning Us!

Wait. Remain calm.
We'll explain.

Why is Spite Software writing software for the IBM-PC? There are two reasons (no, they are not Greed and Avarice). First, this catalog is going to just about every CP/M-80 owner we can readily locate - 230,000 of you. We fully intend to continue supporting CP/M for as long as you folks are out there, but if we're going to grow we have to court another market as well. Second, we found that a great many of you have purchased or use a second computer, and that it's generally an IBM-PC compatible. So we have written or contracted for some really great software for this "second choice" computer.

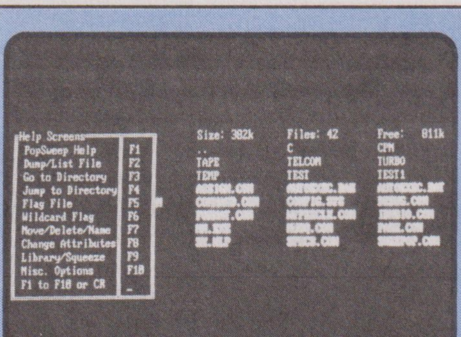
SweepOP

Sweep for PC's

We wanted NewSweep for the PC. If we had to use these clumsy beasts at least we should have a few civilized tools! But it didn't exist, and if we were going to produce it, it had to be really special. We merged talents with another software developer who has mastered Sidekick style memory resident software. The result is SweepOP—NewSweep's features and a lot more, and it's only a keystoke away.

Some software critics are concerned about the flood of memory resident software bumping into each other or using the same trigger keys. Sweep**OP** addresses both problems. You determine what key should call Sweep**OP** when you load the program. Just type Sweep**OP**, a space, and the key(s) you want to use. If you don't type a keyname on the command line then Sweep**OP** will load as a non-resident program - a great feature for avoiding collisions with other, less tractable memory resident programs.

Sweep**OP** doesn't fight over memory space either. After all, it's a utility. Sidekick (or some other Pop-up) might have an important note in it. In a collision Sweep**OP** goes away quietly.



```
Help Screens                 Size: 302k    Files: 42     Free:   811k
 PopSweep Help       F1      ..            C             CPM
 Dump/List File      F2      TAPE          TELCOM        TURBO
 Go to Directory     F3      TEMP          TEST          TEST1
 Jump to Directory   F4      ASSIGN.COM    AUTOEXEC.BAK  AUTOEXEC.BAT
 Flag File           F5      COMMAND.COM   CONFIG.SYS    DEBUG.COM
 Wildcard Flag       F6      FORMAT.COM    [illegible]   [illegible]
 Move/Delete/Name    F7      [illegible]   [illegible]   [illegible]
 Change Attributes   F8      [illegible]   [illegible]   SWEEPOP.COM
 Library/Squeeze     F9
 Misc. Options       F10
 F1 to F10 or CR     _
```

No locking up the machine, just adios. One test version of Sweep**OP** creamed Sidekick at every opportunity - our friend with the memory resident technology was having a bit of fun with Sidekick's aggressive hold on the machinery. But that's all changed, and now Sweep**OP** is courteous even to that ruffian Sidekick.

Sweep**OP** does Unerase, file transfer, delete, or sets attributes (individual or mass-tagged), views files, Squeezes and Unsqueezes, handles libraries and renames. It copes with the vagaries of MS-DOS subdirectories and the most convoluted directory tree on the largest hard disks.

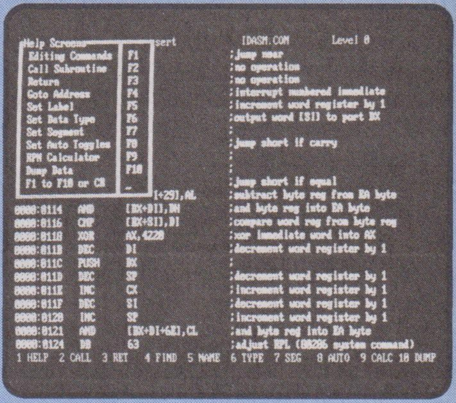
Sweep**OP** can be used either in menu mode or fast expert mode. Once you have a copy you'll never again tolerate a PC without Sweep**OP**. $49.95

SnOOp

Climb inside

SnOOp is great fun with a serious side. It lets you take apart any piece of software and see what's inside. You can also do whatever modifications you like. Of **course** that can mess things up. That's why you don't use it on anything but copies.

SnOOp takes incomprehensible object code and turns it into assembly language source code. That's not so unique, there are a number of disassemblers available, but then how do you make sense out of the random assembly language statements. SnOOp takes care of that, because it's an intelligent disassembler. It automatically comments each line of code, and labels jump targets. You really don't need to know much about assembly language to follow what's going on.



```
Help Screens          sert          IDASM.COM       Level 0
 Editing Commands   F1              ;jump near
 Call Subroutine    F2              ;no operation
 Return             F3              ;no operation
 Goto Address       F4              ;interrupt numbered immediate
 Set Label          F5              ;increment word register by 1
 Set Data Type      F6              ;output word [SI] to port DX
 Set Segment        F7              ;
 Set Auto Toggles   F8              ;jump short if carry
 RPN Calculator     F9              ;
 Dump Data          F10             ;
 F1 to F10 or CR    _               ;jump short if equal
                         [+29],AL   ;subtract byte reg from EA byte
0000:0114  AND   [BX+DI],DH         ;and byte reg into EA byte
0000:0116  CMP   [BX+SI],DI         ;compare word reg from byte reg
0000:0118  XOR   AX,4220            ;xor immediate word into AX
0000:011B  DEC   DI                 ;decrement word register by 1
0000:011C  PUSH  BX                 ;
0000:011D  DEC   SP                 ;decrement word register by 1
0000:011E  INC   CX                 ;increment word register by 1
0000:011F  DEC   SI                 ;decrement word register by 1
0000:0120  INC   SP                 ;increment word register by 1
0000:0121  AND   [BX+DI+6E],CL      ;and byte reg into EA byte
0000:0124  DB    63                 ;adjust RPL (80286 system command)
1 HELP  2 CALL  3 RET   4 FIND  5 NAME  6 TYPE  7 SEG   8 AUTO  9 CALC 10 DUMP
```

So what's this good for? Well it's certainly the best way around to learn assembly language programming. And for the pros, it's the best way around to make changes to existing software when you don't have the source code. We find it fascinating just to prowl around inside someone else's creation and see how they did what they accomplished. It's remarkable how recognizable a given programmer's style can become, or how the use of a specific compiler becomes like a fingerprint. There's a lot to learn with a tool like this. And it's reasonably priced at just $49.95.

Thoughtline

If you have read the rest of this catalog, you know *Thoughtline* is a very powerful outline processor, and all that power makes the transition into MS-DOS.

We are working on a memory resident version as well. You can imagine how nice it would be to have your outline processor in memory for taking notes, ready to use even when you're using another program. In fact there is a memory resident outline processor on the market now but we intend to have a much more complete and powerful product.

Our liberal upgrade policy will let you enjoy *Thoughtline* in it's present form and obtain the new version as soon as it's finished.

Thoughtline is $69.95.

Media Master +

Make your PC Osborne Compatible

This one is really fun. A reasonably priced way to make your IBM-PC run much of the great CP/M-80 software you already own. First of all, Media Master+ is a disk format translator that lets your PC read from, format and write to CP/M disks. That's handy enough as it is for reading text files you have created with other computers, or transferring that WordStar file from work to your machine at home. But more than that, Media Master+ includes ZP/EM so you can run the software that created the files in the first place.

Slow but Steady
Since ZP/EM is an emulator it runs slower than your PC, in fact it runs about as fast as a 2 megahertz CP/M-80 CPU, but it works well.

ZP/EM will run non-system utilities like editors, assemblers, compilers, interpreters, and application programs. It runs most Basic programs and compiled BASIC programs as long as they don't use graphics. In fact the shorter list is what ZP/EM will not run - Hardware dependant utilities, programs that access or modify operating system components, programs that set up their own interrupts, and programs that use Z80 op codes.

Terminal Emulation Too
Media Master+ also can be configured to emulate most popular terminals so it can run software installed for specific screen attributes.

One Two Punch
With the combination of Media Master PC (see format list on this page) and ZP/EM you'll more than double the flexibility of your PC and add the ability to run software from the vast library of CP/M special applications.

Media Master Plus is a bargain at only $59.95.

Acceler8/16

Speed and Compatibility

Imagine buying an accessory for your PC for about $100 that increases it's speed by more than 40 percent.

Now imagine an accessory to turn your PC into a CP/M-80 machine whenever you choose. A CP/M machine that runs 1.5 times faster than your CP/M-80 machine.

The Acceler8/16 is a replacement chip for the CPU chip in your PC and accompanying software that does both of these amazing things. It increases the speed of your PC to over 8 megahertz, a practical speed increase of more than 40 percent over the 4.7 megahertz 8088 chip.

That's reason enough to buy this remarkable product, but the Acceler8/16 also turns your PC into a hardware emulation of your CP/M machine—a very fast CP/M machine, about 6 megahertz. That's 50 percent faster than the machine you are probably used to.

Installing your Acceler8/16 is very simple, just pop out the 8088 chip and plug in the Acceler8/16. That's it. All your MS-DOS software works as usual, just a lot faster.

When you want to run CP/M software just load the emulator package. The emulator takes advantage of this chip's features so CP/M runs at high speed.

The whole package is just $99.95, a great price for a great product. You'll probably also want a copy of Media Master PC, though if you already have Media Master for your CP/M-80 machine you can make single sided PC disks.

Media Master PC

Read any Disk

A natural addition for your PC, whether or not you have a CP/M emulator. You can read and write text files to disks for just about any CP/M machine. With an emulator you can run your extensive library of CP/M software on your PC. A real bargain at only $39.95

ZP/EM

A Practical CP/M Emulator

ZP/EM is the emulator section of Media Master+. If you don't need the ability to read CP/M disks with your MS-DOS machine, or you already have Media Master PC, then all you need is ZP/EM, and it's only $39.95.

MS-DOS List

What we offer

Thoughtline
Writer's Aide
Biz Letters
MM-Sort
TURBOLINK
TURBO
Upgrade
Accounting Pack
General Ledger
Accounts Payable
Accounts Receivable
Inventory
Payroll
Reading Prof
Junior Library
College Library
Prof Library
Mychess
C Compiler
C Floats and Longs
Turbo Pascal
Turbo Tools
Turbo Tutor
Turbo Pack
MTBasic
Smartkey
Smartprint
Smart Pack
Zork 1
Zork 2
Zork 3
Deadline
Hitchhiker
Planetfall
Infidel
Airport
Eliza
Footnote
Bibliography
Spell
Number
Notebook
Autodiff
Sweep**OP**
sn**OO**p
Media Master+
Med. Master PC
ZP/EM
Acceler8/16

Check other pages in this catalog for full product descriptions or see the order blank for pricing information

Presto!

Pop-ups for CP/M

Presto is a nifty new program from Spectre Technologies (formerly D/G Systems). It's software that is rather unusual for the CP/M world. It's a pop-up!

Was Only IBM!

MS-DOS owners are probably familiar with this kind of software. You load it like regular software, but instead of running, it just stays in memory, waiting for the user to type the special keystroke combination that activates it. Then the program "freezes" everything that was going on and "pops" into action. A true pop-up will work from within a program, and that's where the real convenience lies. You can have handy desk accesssories just waiting in memory for the moment that you need them.

Guess What!

This is just what Presto! does, only Presto! works on CP/M. But since Presto is a finely crafted piece of tight coding, it doesn't need all the memory of an MS-DOS machine. In most cases, Presto! coexists peacefully with any software you care to run, and then pops-up when you hit the special command key that activates it.

Wow!

Let's say you are running WordStar and you need to total a sum of figures. Just type the special activation key. Once activated, the program windows in a menu of choices. Choose notepad, calendar, or calculator and you are launched into a full featured little application that runs just like any other program, except that when you are done, just hit the Escape key a few times and the program hides itself, returning control to WordStar. It's the neatest thing you've ever seen. On machines with real-time clocks, the calendar function can even set an alarm that beeps at the set time and displays a message on the screen. Perfect for not missing appointments. Presto! will make it seem like you have a brand new computer. It's worth five times the low price of $39.95.

Rembrandt

Great graphics

Rembrandt is the program to get if you want to do graphics on your CP/M machine. There are three basic parts to the package.

Draw

The first is the freehand sketching section. Here, you are presented with a "blackboard." Using the cursor and the keys, you can draw across your screen using all of the characters and graphics your machine is capable of. When done, it will print your drawing or save it in a file for later reworking.

Graph

The second section of the program is the graphing program. It can take numbers you give it and turn them into all kinds of graphs. You can get bar graphs, pie charts, xy plots, histograms, and most variations. You can hand enter the numerical data or have it read from dBase II, WordStar, MBASIC, spreadsheet or other files.

Show

The third part of the program lets you create "slide shows" from your freehand drawings and graphs. Many different effects are possible, including close curtain, black out, and dazzle. The slide show section also lets you specify time delay between slides, or accepts keystrokes to move from one slide to another.

WordStar Integrated

But the thing we find most exciting about Rembrandt is that it lets you insert graphics anytime into your text and have it print out. This means you can have "custom letterhead." And, for the first time, you can make your graphics an integral part of your final document, with out messy and inaccurate cutting and pasting.

Rembrandt works with most printers, but be sure to tell us yours for speedy deliver. Call to check if you are not certain. The price for Rembrandt is only $79.95 and comes with our 90 day guarantee.

Media Master

Get this program

It isn't often we flat come out and say "get this." We know that everyone's requirement's are different, and everyone uses their computer in slightly different ways.

But, Media Master solves a problem that virtually everyone is going to come across sooner or later. It lets you transfer data from one floppy disk format to another. This means you can start your correspondence at home on your Osborne and complete them at work on your Kaypro or IBM PC.

What Media Master Won't Do

Just about every brand of computer stores information on the disk in a slightly different way. This is what is called the disk format. The information that is being stored doesn't really matter. As far as the disk is concerned, it's all just a long string of magnetic pulses. Media Master overcomes incompatibilites in disk formats. It lets you take the "long string of magnetic pulses" from a disk readable in one computer and place it on a disk readable on a different type of computer.

Now, Media Master will transfer any kind of file from one computer to another, whether it be a text document, a spreadsheet worksheet, or a program (.COM file). However, Media Master does not convert programs to run on another computer. So, you can't buy a program for an IBM and expect Media Master to make it work on your Kaypro or Osborne. But, say you had separate versions of WordStar working on both computers. WordStar organizes its files the same on both MS-DOS and CP/M, so you could transfer your document files back and forth and edit them on either computer. Finally, if you have (for instance) both an Osborne and a Kaypro, Media Master may make it possible to buy a program in one format and have it run on the other computer, because both of these computers are CP/M machines. Check first before buying though.

Sooner or later, you will need Media Master. It's only $39.95.

Spite Software Order Form

Use The Postpaid Envelope Found In This Guide or Call Toll Free. See Below.

Check here to order		CP/M	MS-DOS	Osborne 1	Osborne Exec	Vixen	Kaypro	Morrow	Epson QX-10	Generic CP/M-80	IBM PC Compatible
	Thoughtline	$69.95	$69.95	▨	▨	▨	▨	▨	▨	▨	▨
	Pages 4 & 5										
	SuperDex	$59.95		▨	▨	▨	▨	▨	▨	▨	
	Writer's Aide	$39.95	$39.95	▨	▨	▨	▨	▨	▨	▨	▨
	Letters w/book	$34.95	$34.95	▨	▨	▨	▨	▨	▨	▨	▨
	Letters only	$24.95	$24.95	▨	▨	▨	▨	▨	▨	▨	▨
	MM Sort	$29.95	$29.95	▨	▨	▨	▨	▨	▨	▨	▨
	Pages 6 & 7										
	Bucks	$29.95		▨	▨	▨	▨	▨	▨	▨	
	MealCalc	$29.95		▨	▨	▨	▨	▨	▨	▨	
	Alice's Recipes	$14.95		▨	▨	▨	▨	▨	▨	▨	
	Spite's Recipes	$9.95		▨	▨	▨	▨	▨	▨	▨	
	Disks	Quantity	Price			Total					
	Head Cleaner	$9.95	$9.95	▨	▨	▨	▨	▨	▨	▨	▨
	MathMate	$39.95		▨	▨	▨	▨	▨	▨	▨	
	Pages 8 & 9										
	TURBOLINK 1200	$279.95	$279.95	▨	▨	▨	▨	▨	▨	▨	▨
	TURBO Upgrade	$30	$30	▨	▨	▨	▨	▨	▨	▨	▨
	T'LINK Modem Only	$249.95	$249.95	▨	▨	▨	▨	▨	▨	▨	▨
	Pages 10 - 13										
	Accounting Pak	$149.95	$249	▨	▨	▨	▨	▨	▨	▨	▨
	General Ledger	$100	$149	▨	▨	▨	▨	▨	▨	▨	▨
	Accounts Pay	$75	$100	▨	▨	▨	▨	▨	▨	▨	▨
	Accounts Rec	$75	$100	▨	▨	▨	▨	▨	▨	▨	▨
	Inventory	$75	$100	▨	▨	▨	▨	▨	▨	▨	▨
	Payroll	$75	$100	▨	▨	▨	▨	▨	▨	▨	▨
	Computer Pack	$895.00									
	Reading Prof	$59.95	$59.95	▨	▨	▨	▨	▨	▨	▨	▨
	Junior Library	$15.95	$15.95	▨	▨	▨	▨	▨	▨	▨	▨
	College Library	$15.95	$15.95	▨	▨	▨	▨	▨	▨	▨	▨
	Professn'l Lib	$15.95	$15.95	▨	▨	▨	▨	▨	▨	▨	▨
	Mychess	$34.95	$34.95	▨	▨	▨	▨	▨	▨	▨	▨
	Pages 14 & 15										
	C/80	$49.95	$49.95	▨	▨	▨	▨	▨	▨	▨	▨
	C-Tutorial	$19.95		▨	▨	▨	▨	▨	▨	▨	
	C/NIX	$59.95		▨	▨	▨	▨	▨	▨	▨	
	C - Floats	$29.95	$29.95	▨	▨	▨	▨	▨	▨	▨	▨
	C - Pak	$99.95		▨	▨	▨	▨	▨	▨	▨	
	Lisp/80	$39.95	$39.95	▨	▨	▨	▨	▨	▨	▨	▨
	Pages 16 & 17										
	Turbo Pascal	$69.95	$69.95	▨	▨	▨	▨	▨	▨	▨	▨
	Turbo Tools	$49.95	$49.95	▨	▨	▨	▨	▨	▨	▨	▨

KEY

▨ Available

☐ Not Available

Like to put a friend on our list?

Name ______________________

Address ______________________

City ______________________

State ________ Zip ________

Computer ______________________

About Ordering

If you are in a hurry for your order the quickest way is to call our technical line:

(503) 224-0137

The 800 line is a hired service. A short delay is added when you use them.

The 800 line operators have no technical knowledge (in fact we are frequently amazed by their innovative spelling of computer terms). If you have a technical question call the tech line.

In a BIG Hurry?

If you need your order soonest, give us a call and we can arrange UPS blue label or express mail shipment. The charge varies with weight, but our shipping department can give you an immediate quote.

Check here to order		CP/M	MS-DOS	Osborne 1	Osborne Exec	Vixen	Kaypro	Morrow	Epson QX-10	Generic CP/M-80	IBM PC Compatible
	Turbo Tutor	$29.95	$29.95	▨	▨	▨	▨	▨	▨	▨	▨
	Turbo Pack	$114.95	$114.95	▨	▨	▨	▨	▨	▨	▨	▨
	MTBasic	$49.95	$49.95	▨	▨	▨	▨	▨	▨	▨	▨
	Pages 18 &19										
	Smartkey	$49.95	$49.95	▨	▨	▨	▨	▨	▨	▨	▨
	Smartprint	$29.95	$29.95	▨	▨	▨	▨	▨	▨	▨	▨
	Smart Pack	$59.95	$59.95	▨	▨	▨	▨	▨	▨	▨	▨
	Zork 1	$39.95	$39.95	▨	▨	▨	▨	▨	▨		▨
	Zork 2	$44.95	$44.95	▨	▨	▨	▨	▨	▨		▨
	Zork 3	$44.95	$44.95	▨	▨	▨	▨	▨	▨		▨
	Deadline	$49.95	$49.95	▨	▨	▨	▨	▨	▨		▨
	Hitchhiker	$39.95	$39.95	▨	▨	▨	▨	▨	▨		▨
	Planetfall	$39.95	$39.95	▨	▨	▨	▨	▨	▨		▨
	Infidel	$44.95	$44.95	▨	▨	▨	▨	▨	▨		▨
	Airport	$19.95	$19.95	▨	▨	▨	▨	▨	▨	▨	▨
	Eliza	$24.95	$24.95	▨	▨	▨	▨	▨	▨	▨	▨
	Pages 20 & 21										
	Writer's Pack - Total Writer's Pack below and deduct discount.										
	Thoughtline	$69.95	$69.95	▨	▨	▨	▨	▨	▨	▨	▨
	Writer's Aide	$39.95	$39.95	▨	▨	▨	▨	▨	▨	▨	▨
	MM-Sort	$29.95	$29.95	▨	▨	▨	▨	▨	▨	▨	▨
	SuperDex	$59.95		▨	▨	▨	▨	▨	▨	▨	
	Footnote	$59.95	$99.00	▨	▨	▨	▨	▨	▨	▨	▨
	Bibliography	$59.95	$99.00	▨	▨	▨	▨	▨	▨	▨	▨
	Spell	$49.95	$49.95	▨	▨	▨	▨	▨	▨	▨	▨
	Number	$59.95	$99.00	▨	▨	▨	▨	▨	▨	▨	▨
	Notebook	$69.95	$114.95		▨	▨	▨	▨	▨	▨	▨
	Autodiff	$29.95	$29.95	▨	▨	▨	▨	▨	▨	▨	▨
	Discount (See page 10)										
	Total										
	Pages 22 & 23										
	SweepOP		$49.95								▨
	SnOOp		$49.95								▨
	Media Master +		$59.95								▨
	Media Master PC		$39.95								▨
	ZPEM		$39.95								▨
	Acceler8/16		$99.95								▨
	Pages 24 & 25										
	Rembrandt	$79.95		▨	▨	▨	▨				
	Presto	$39.95		▨	▨	▨	▨				
	Media Master	$39.95	$39.95	▨	▨	▨	▨	▨	▨	▨	
	Touch n' Go	$24.95	$24.95	▨	▨	▨	▨	▨	▨	▨	▨

Freebies!

1. With every order you get Full DiskClosure, our catalog on a disk.

2. Order Two or more products and take your choice from:

☐ Public Domain Greatest Hits.
☐ Data Label Keys.
☐ WordStar proportional spacing secrets (for letter quality printers only)

Order any three products and get two of the above, with four products get all three.

3. A free headcleaner kit with any order over $300.00
☐

The Bottom Line

Name ______________________

Address ______________________

City ______________________ State ________ Zip ________

Check/MO ☐ COD ☐ Visa/MC ☐ Daytime Phone ______________________

Card Number ______________________ Expires ______________________

Computer ______________________ Printer ______________________

MasterCard COD VISA

Add $2.00 for domestic shipping
$5.00 outside continental USA.

Send To:
Spite Software
4875 SW 19th Drive
Portland, Oregon 97201

Order Toll Free - 24 Hours 800-824-7888
In Alaska and Hawaii 800-824-7919

Ask for Operator 311

source: O1085

Spite Bargains

We, uh, had half a page left over. Use the order form on page 25 and write in your order. Limited quantities...

Flea Market Prices

We collect a lot of odd stuff in the process of selling products to you folks. Most are products that we carried for awhile and then dropped because the order volume wasn't high enough to support inventory costs. Other goodies are products we took in trade or received as bonuses for buying in the quantities we do.

In any case, we'll sell these products at a deep discount on a first come, first served basis. Browse through these bargains and see if there's something you can use.

Real Time Clocks

We were so impressed with the design and usefulness of JG Communication's real time clock for the Osborne 1 that we took some of these in trade, expecting to sell them at the local user's group. We never got around to doing it, and neither Norm nor I have had the time to get to a meeting in nearly a year (shame on us!). So we have about ten of them. They originally sold for $79.95, but we'll sell them for $35. Call our technical line if you want one. (Or you can write, but don't be disappointed if they are gone.) By the way, these work with Presto! to give you the alarm clock feature. See page 24 for details.

NEC PR105A Tri-Mode Printer

This is an unusual new printer we got from NEC for being swell folks. Unfortunately we are knee deep in printers and we don't generally sell them. You can get this one for $175. It does a lot, from near letter quality mode to high speed draft mode. It has lots of fonts and it can emulate either an Epson or a IBM-PC printer. Parallel interface. Cable not included.

Book Bargains-

Pascal from Basic..........................	~~12.95~~	9.95
Simply dBase..............................	~~9.95~~	7.95
Pascal..	~~12.95~~	9.95
Beginning Forth............................	~~16.95~~	9.95
System Programming under CP/M.....	~~19.95~~	9.95
MBasic and its Files......................	~~7.95~~	5.95
Data File Programming in Basic........	~~14.95~~	9.95
Common Algorithms in Pascal.........	~~16.95~~	9.95
Hypergrowth..................................	~~19.95~~	9.95
Fifth Generation (Artificial Intelligence)	~~15.95~~	9.95

Software Bargains

Random House Proofreader - spelling checker	~~49.95~~	39.95
Citation - free form "card box" database	~~185.00~~	99.95
dUtil - Utilities for dBase II programmers	~~94.95~~	49.95
Datebook - track appointments for an office	~~145.95~~	99.95

-GOOD STUFF CHEEP-*-GOOD STUFF CHEEP-* -GOOD STUFF CHEEP-*-GOOD STUFF CHEEP-

-GOOD STUFF CHEEP-*-GOOD STUFF CHEEP-*

MODEMS
I WENT TO AN AUCTION
I GOT MODEMS
VEN-TEL 1200 PLUS II $150
300/1200 BAUD AUTO ANSWER/DIAL
(not Hayes compatible)
Works with most Automatic dial-up
and sign in programs (MODEM 7, MEX)
(Written with SANS12 & SANS12 bold)

WHAT DO YOU DO IF
YOUR KEYBOARD
DIES?

1. Spend $150 to have it fixed.
2. Work around it.
3. Spend $35 with me and have a spare in your closet.

FITS EITHER OCC-1's OR EXEC
(written with ROMAN 12 & ROMAN 12 bold)

FANCY FONT $180
DO YOUR OWN TYPE SETTING
Everything on this page was done with
FANCY-FONT. Over 30 FONTS in
various sizes available.
Use with RX, FX, LX, (80 or 100)
CPM 2.2 or IBM
(Written with SANS 12 and SANS 12 bold)

OCC-3, PLOTTER, IBM interest? IF SO, JOIN IN
I would like to serve as an idea exchange for mutual help. A SIG (Special interest group), if you please. I send out a 4 page mailer on an irregular basis.
(Written with ROMAN 12 and ROMAN 12 bold)

TELEVIDEO TPC1 $795
Why UPGRADE your OCC-1?
This has 9" 80 Columns 2-DSDD
and runs all your OCC-1 software
(For details see JULY FOGHORN P30)
(written with ROMAN 12 and ROMAN 12 bold)

STROBE M260 PLOTTER $350
8 PEN - 8 1/2 x 11 DRUM plotter
Use with LOTUS 1-2-3, DBASE III,
SUPERCALC III, AUTOCAD and more
(Written with SANS12 and SANS12 bold)

THIS IS A GOOD ONE
XLOGIC PARALLEL PRINT SWITCH
Goes between COMPUTER and PRINTER
Connect second printer to XLOGIC
SWITCHES PRINTERS AUTOMATICALLY
IBM-$125 OSBORNE I or EXEC $150
(written with ROMN12 and ROMN12 bold)

OCC-1 MOTHER BOARDS $125
Refurbished by MISSION PEAK
no trade in needed-limited quantity
(written with SANS12 and SANS12 bold)

OCC-3 - IBM COMPATIBLE
ULTRA LIGHT-11 lbs, 2-360k Drives
Runs most IBM SOFTWARE
DON'T SPEND $1295 (or even $995)
CALL ME FOR BEST PRICE
(written with SANS12 and SANS 12 bold)

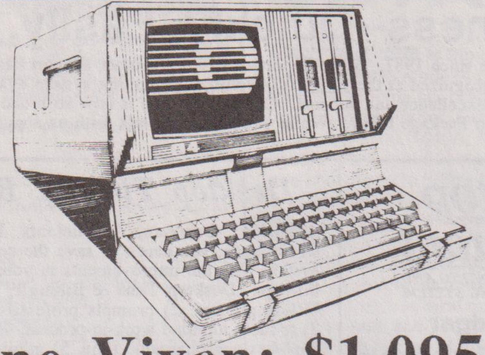
AMDEK DXY100 PLOTTER $250
1 pen 11x17 FLAT BED PLOTTER
Includes SIGN MAKER (I earned over
$125 1 day doing BUMPER STICKERS)
(written with ROMAN 12 and ROMAN 12 bold)

Dave Blair
2440 16th Street #136
San Francisco, CA 94103
(415)431-8372 4am-9am
(other times catch as can)
Includes UPS, shipping & handling
Cal Residents add 6 1/2% tax
ALL ITEMS-90 day WARRANTY
NO C.O.D.'s or CREDIT CARDS

-GOOD STUFF CHEEP--GOOD STUFF CHEEP-*

-GOOD STUFF CHEEP--GOOD STUFF CHEEP-*

Two Great Values, One Great Price:



Osborne Vixen: $1,095

The **Osborne Vixen** is everything you've come to expect from an Osborne Computer....and a lot more.

Naturally the **Vixen** is *compatible with the Oz-1 and the Exec,* it's also compatible with nearly all CP/M computers; but that's still not the big deal.

Sure, there's *lots of useful software included.*

The **Vixen** comes with enough software to do 80% of the things that most people buy a computer to do. True, most of the excitement these days in new software development is in MS-DOS and the PC Compatibles (and there actually have been a *few* genuinely interesting programs that use the capabilities of MS-DOS) but for writers, students, and small business managers, there is often no real compelling reason to choose MS-DOS (and it's expense) over CP/M.

There is a universe of CP/M software which is quite mature (read that: *Reliable).* There are thousands of low priced commercial CP/M products; plus tens of thousands of programs in the public domain (read that: *Free)*

What's truly exciting about the **Vixen** is the sheer *raw speed* and *portability.*

You'll see the **Vixen's** speed for yourself soon enough. Here are just some of the **Vixen's** features:

Standard Hardware

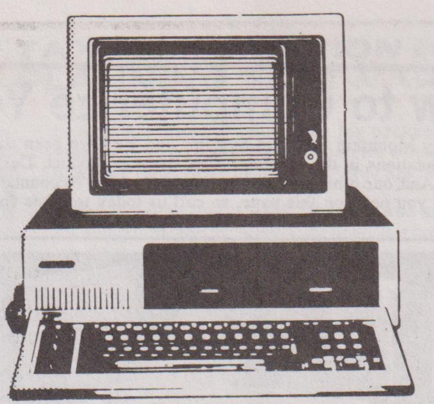
- **80 column x 24 line 7" Amber screen**
- **Two 400k double sided disk drives.**
- **Serial Port**
- **Parallel Port**
- **Composite Video Connector**

Standard Software

- **CP/M 2.2**
- **WordStar 3.3 with MailMerge**
- **SuperCalc2** - fast, powerful spreadsheets
- **MBASIC** - the industry standard
- **Media Master** - for data compatibility with the IBM-PC and dozens of other computers
- **Osboard** - for presentation quality graphics
- **Desolation** - an Arcade graphics type game
- **TurnKey** - a guide through the system for rookies

The Osborne Executive...$899

Call for details on all Osborne Computers



Magnum PC/XT:$1,095

In a world full of PC-Clones, the **Magnum PC/XT** is a best buy. Why? Two big reasons: *Features* and *price.*

After looking at dozens of offerings - there's a *lot* of them out there you know - we've concluded that *it isn't hard to build a good PC clone.* Once basic issues of compatibility are handled (yes, the **Magnum** runs 1-2-3 and Flight Simulator), it seems that the biggest obstacle to building a *great* clone is choosing the *right* combination of features and capabilities.

Magnum has the right stuff. Magnum has the right price. In our considered opinion, **Magnum PC/XT** offers you the best combination of standard features: Lots of memory, big power supply, PC-AT style keyboard, and room for four storage devices: floppies, hard disks, tape drives etc.

Everything you need is standard on the Magnum except the video card and monitor.

Features

- 640k memory *
- 135 watt power supply **
- 4 windows for half-high disk and tape drives
- 2 half-high 360k floppies
- Battery powered real time clock ***
- 1 parallel port - 2 serial ports, ***
- Selectric/PC-AT style keyboard
- 5 expansion slots
- 8088 CPU, 4.77 Mhz clock
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- Hardware reset button ****
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Options

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Zenith 1220 Amber or Green Monitor	$150.
Paradise Hi Res. RGB/Mono card	$275.
Amdek 310 hi res. Amber Monitor (#1!)	$190.
Sony 1311 Remote TV/RGB Monitor	$599.
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20 MB Hard disk, 1 floppy	$695.
10 MB Hard Disk plus Tape Backup	$900.
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Norton Utilities	$60.
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* With IBM you only get 256k, then you buy memory boards.

** You can still buy IBM-PC's with a 65 watt power supply.

*** You must buy boards at extra cost to get these on the IBM.

**** When the IBM PC locks up, you must switch off the power.

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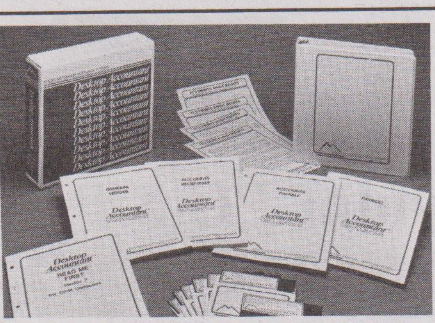

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The Portable Companion March/April 1985

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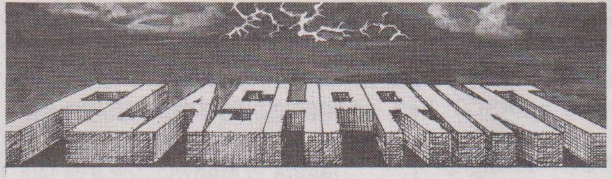

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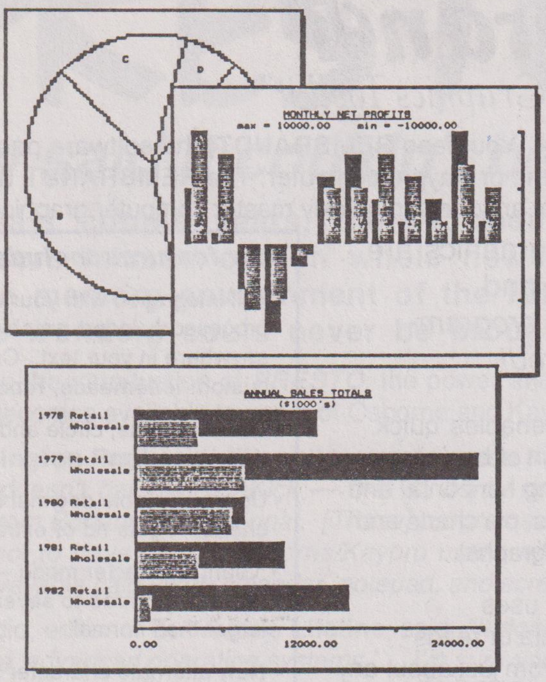

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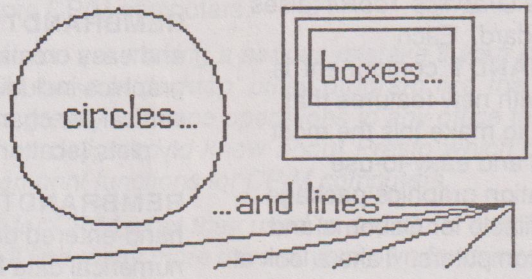
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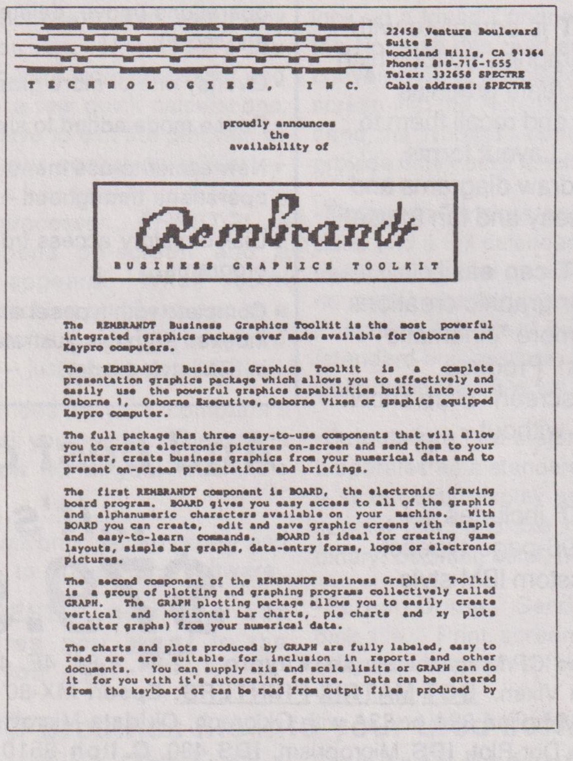

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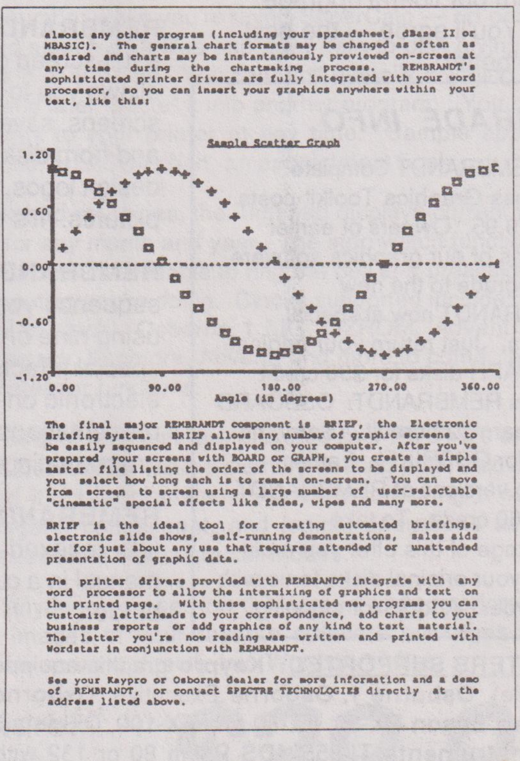
The second component of the REMBRANDT Business Graphics Toolkit is a group of plotting and graphing programs collectively called GRAPH. The GRAPH plotting package allows you to easily create vertical and horizontal bar charts, pie charts and xy plots (scatter graphs) from your numerical data.

The charts and plots produced by GRAPH are fully labeled, easy to read are are suitable for inclusion in reports and other documents. You can supply axis and scale limits or GRAPH can do it for you with it's autoscaling feature. Data can be entered from the keyboard or can be read from output files produced by



almost any other program (including your spreadsheet, dBase II or MBASIC). The general chart formats may be changed as often as desired and charts may be instantaneously previewed on-screen at any time during the chartmaking process. REMBRANDT's sophisticated printer drivers are fully integrated with your word processor, so you can insert your graphics anywhere within your text, like this:

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BRIEF is the ideal tool for creating automated briefings, electronic slide shows, self-running demonstrations, sales aids or for just about any use that requires attended or unattended presentation of graphic data.

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See your Kaypro or Osborne dealer for more information and a demo of REMBRANDT, or contact SPECTRE TECHNOLOGIES directly at the address listed above.

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Cromemco CDOS (SSSD)
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DEC VT180 (SSDD)
Davidge (DSDD)◊
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Groupil III CP/M (DSDD)◊
H/Z Z-100 CP/M (SSDD)
H/Z Z-90 40 trk, 1k blk (SSDD)
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Heath w/Magnolia CP/M (SSDD)
IBM PC CP/M-86 (DSDD)◊
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Kaypro 4/IV/10 (DSDD)*◊
LNW-80 (SSDD)
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Micral 9050 CP/M-80 (DSDD)◊
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Osborne (SSDD)
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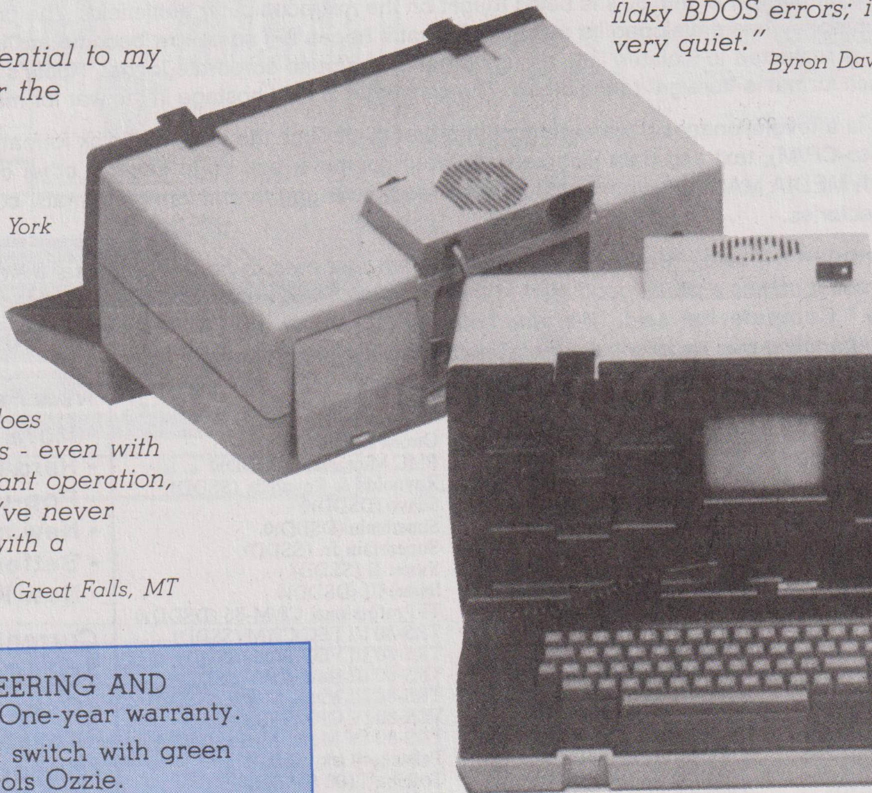

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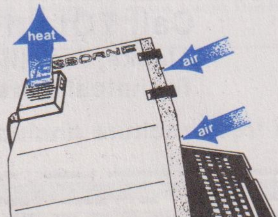

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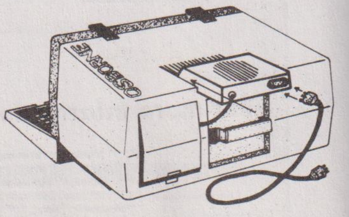

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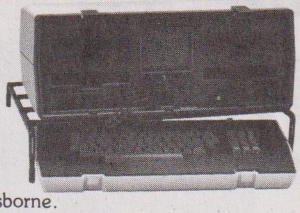

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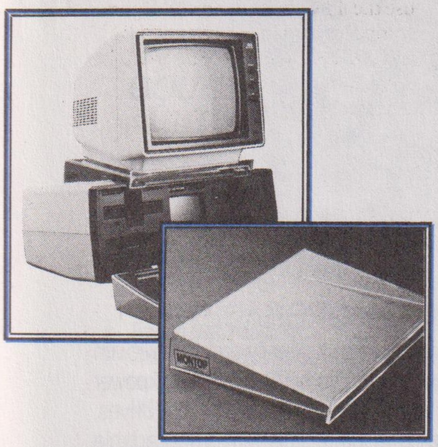

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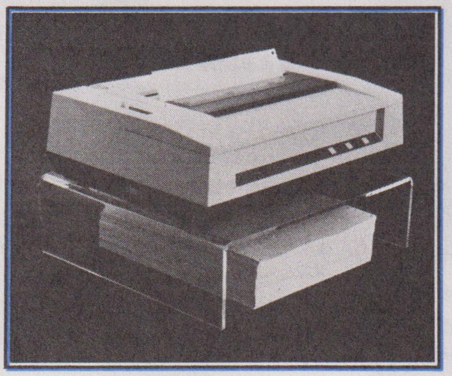

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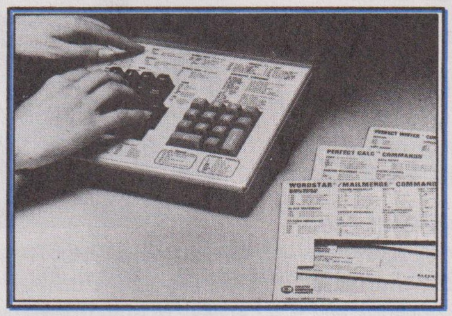

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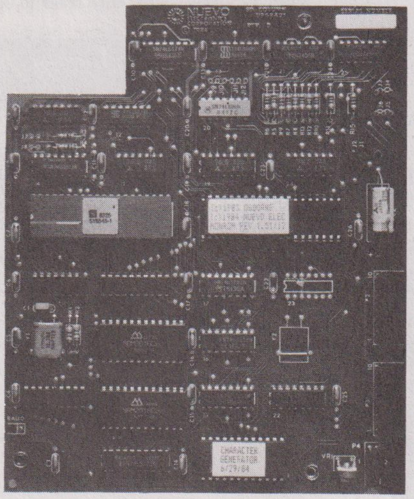
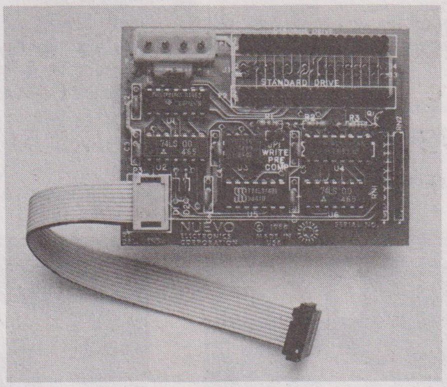
NUEVO WAYS
THE OSBORNE ONE



80 COLUMN UPGRADE

Increase your standard screen size to a full 80 columns. No loss of horizontal scrolling. Excellent resolution, even on the internal screen. Six software selectable cursor styles. Optional baud rate generator provides 16 baud rates from 50 to 19.2K baud. No soldering *unless* BRG option installed.

$200.00
(Add $30 for optional baud rate generator)



DOUBLE DENSITY UPGRADE

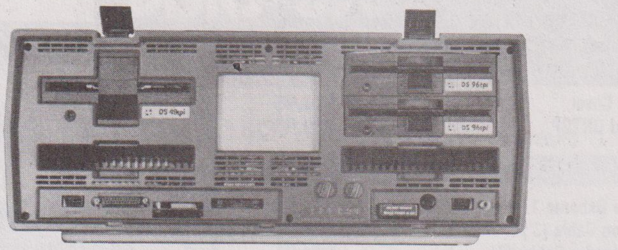
Provides a full 183K of data storage per disk. Totally compatible with the factory double density. File sizes in 1K increments. An optional power cable assembly permits use of standard (non-Osborne) disk drives. Increase your storage even more in the future...this item is upgradable to double-sided double density. No soldering.

$150.00
(Add $15 for optional power cable assembly)

O-1 ENHANCED STORAGE UPGRADES

The Enhanced Storage Upgrades by Nuevo are *complete* kits. They include 2 highest quality, thoroughly tested half-height disk drives plus the Nuevo Double Density Upgrade board, power cable, drive cable (with connector for 3rd drive) and new generation disk controller and monitor ROM IC's. A detailed installation and instruction manual guides you through each step with clear photos and text. There is *no* soldering and no special skills are required for installation.

Both ESU's will handle a third floppy disk drive that can be either 48 or 96tpi. All standard software will run without modification. File transfer utilities included with the ESU's will allow your O-1 to read, write and format over 40 different computer formats, including IBM PC DOS 1 & 2, both SS/DD & DS/DD. The Nuevo BIOS that's supplied with the double-sided upgrades automatically differentiates between 48tpi and 96tpi disks, both SS and DS, and will automatically recognize, read and write the following disk formats:



SINGLE SIDED FORMATS SUPPORTED

OSBORNE SD
OSBORNE DD
NEC 8000 DD
NEC 8001A DD
TRS80 I SD
TRS80 III DD
TRS80 IV DD
OKI if 800 DD
HEATH MAGNOLIA DD
HEATH Z90 DD
LOBO MAX80 DD
XEROX 820 DD
IBM CP/M86 DD
NELMA PERSONA DD
KAYPRO II DD
DEC VT180 DD

DOUBLE SIDED FORMATS SUPPORTED

NUEVO 48 TPI
EPSON QX-10
HEATH Z100
NEC 8801A
OSBORNE VIXEN
HP-125 (CP/M86)
TELEVIDEO 803
NUEVO 96TPI (4x4 only)

THE O-1 2X2 UPGRADE

Both original drives are replaced with double-sided 48tpi drives that give 2X the storage capacity of standard double density. 386K useable space, 128 directory entries, per drive.

$595.00
($445 if you already own a *Nuevo* Double Density Upgrade)

INTERNAL THIRD DRIVE
(Includes 50 watt replacement power supply for O-1 plus a cooling fan)

Model IN4	(DS/48tpi 386K)	**$150.00**
Model IN9	(DS/96tpi 782K)	**$200.00**

THE O-1 4X4 UPGRADE:

Both original drives are replaced with double-sided 96tpi drives that give 4X the storage capacity of standard double density. 782 K useable space, 256 directory entries per drive.

$695.00
($545 if you already own a *Nuevo* Double Density Upgrade)

EXTERNAL THIRD DRIVE
Includes drive housing with built-in linear power supply)

Model EX4	(DS/48tpi 386K)	**$100.00**
Model EX9	(DS/96tpi 782K)	**$150.00**

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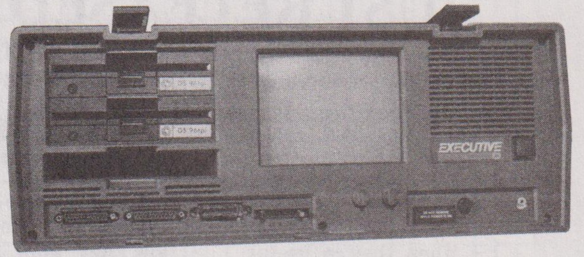
DOUBLE Sided *DOUBLE* Drives



The Executive versions of Nuevo's Enhanced Storage Upgrades include two new double-sided disk drives, your choice of 48 tpi (2X2) or 96 tpi (4X4), a multi-function memory board upgrade, an 8 Mhz Z-80 CPU and new disk controller and monitor ROM IC's. The 2X2 provides 386K per drive and the 4X4 has 782K per drive. Installation is straightforward and simple. There is *no* soldering.

In addition to doubling (or quadrupling) the disk storage space, the Nuevo ESU's for the Executive include the following features as STANDARD:

★ **Expandable to Four Floppy Disk Drives**
The Executive ESU's can address up to two additional external disk drives, in any combination of 48, 96, or 100tpi, in any combination of 3½, 5¼, or 8" drives.

★ **Foreign Disk Handling**
The ESU Executive reads, writes and formats over 40 different computer formats, including IBM PC DOS 1 & 2, both SS and DS. The new BIOS recognizes *automatically* all of the following plus even more:

SS FORMATS

DEC VT 180 DD
Heath Magnolia DD
Heath Z90 DD
IBM CP/M86 DD
Kaypro II DD
Lobo Max80 DD
NEC8000 DD
NEC8001A DD
Nelma Persona DD
OKI if 800 DD
Osborne One SD&DD
Osborne Exec DD
TI Pro CP/M86 DD
TRS80 I SD
TRS80 III DD
TRS80 IV DD
Xerox 820 SD
Xerox 820 DD

★ **8Mhz Z-80**
The Executive runs with twice the speed of the original factory Mhz processor!

★ **3msec Drive Step Rate.**

★ **256K of *High Speed* Dynamic RAM**
More memory for CP/M file buffering!

★ **Upgradable to 2 Megabytes of Memory!**
(Pending availability of new RAM's from manufacturers). The multifunction board is socketed for the next generation 1 Megabit X 1 RAMS.

DS FORMATS

Altos 580 DS/DD (96 tpi)
Ampro Little Board (96tpi)
Cromemco CP/M80
Epson QX-10
Heath Z100
HP-125 (CPM86)
NEC8801A
Nuevo 0-1 2X2
Nuevo 0-1 4X4 (96tpi)
Osborne Vixen
Sanyo
Televideo 803

THE EXECUTIVE 2X2 $595.00

THE EXECUTIVE 4X4 $695.00

Also available are the following OPTIONS:

★ **Option A: 512K of Dynamic RAM (Total)**
Use as *fast* 298K RAM disk with a two drive system or for file buffering with three of four drive system. $40

★ **Option B: Real Time Clock (battery back-up)**
No resetting of the CP/M clock with each power-up. Screen display of time and date. Settable alarm time. $30

★ **Option C: 8" Floppy Disk Drive Interface**
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★ **Option D: EEPROM**
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For those applications calling for faster "number crunching". $160

★ **External Drive Options — Please contact factory**

The multifunction board (MFB) component of the Executive ESU's is available as a separate item. As such it comes without disk drives and without the double-sided drive and 8" drive capabilities. The 8 Mhz CPU and 512K of high speed RAM, of which 388K can be RAM disk, are standard. The Clock, EEPROM and Math Processor are optional. It is upgradable later to a full ESU.

THE EXECUTIVE MFB $425.00

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☐ Exec MFB Upgrade @ $425.00
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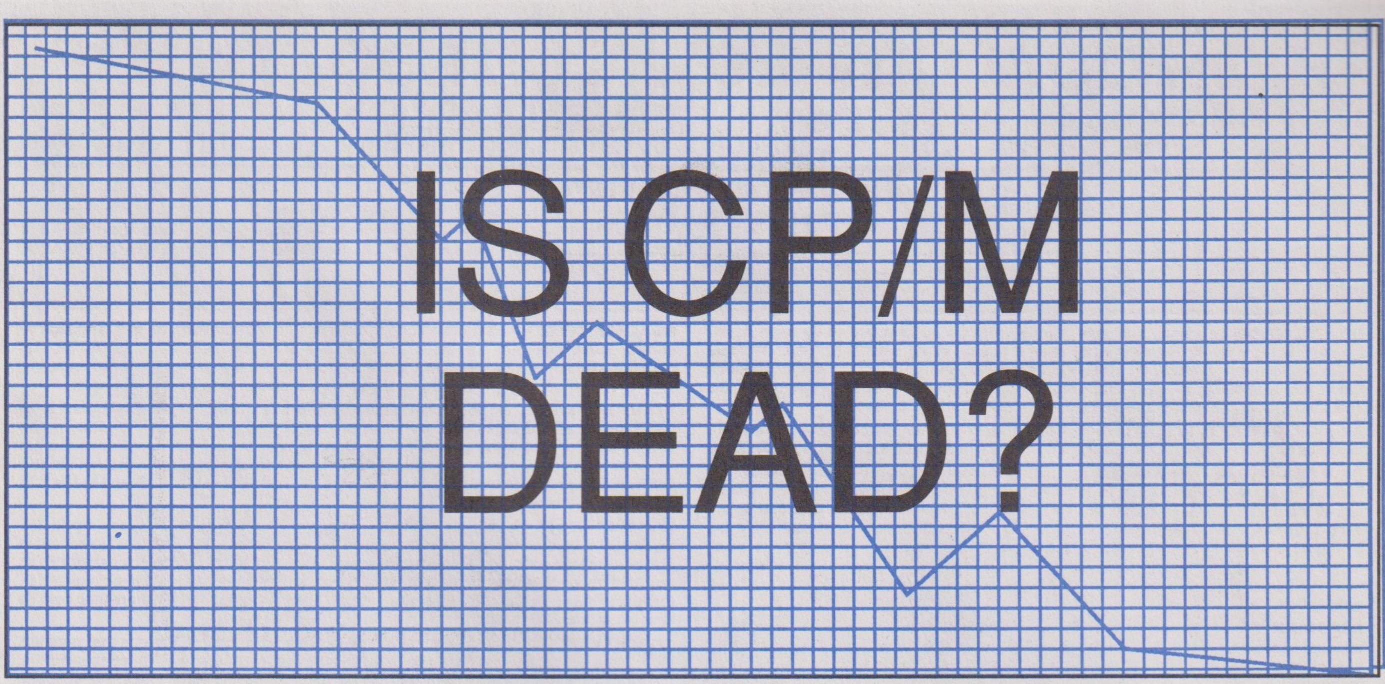

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Of course we are not new to CP/M — we use CP/M computers to run our publishing business and produce the magazine. The editors have written books about CP/M software for years, useful ones like *Free Software* , *CP/M User's Guide*, *The Infoworld Guide to CP/M*, *Pocket Guide to WordStar*, and others. The contributing editors are some of the best in the business, like Steve Rosenthal, Arthur Naiman, Bruce Morgen, Byron McKay and Jonathan Sachs.

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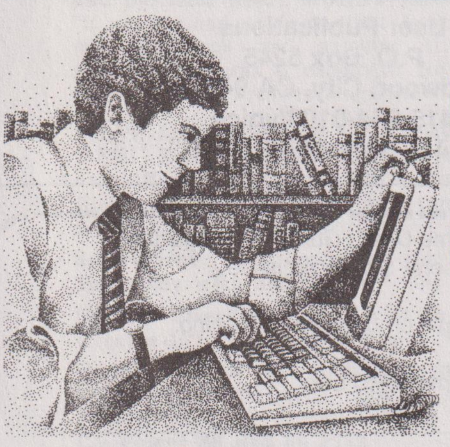

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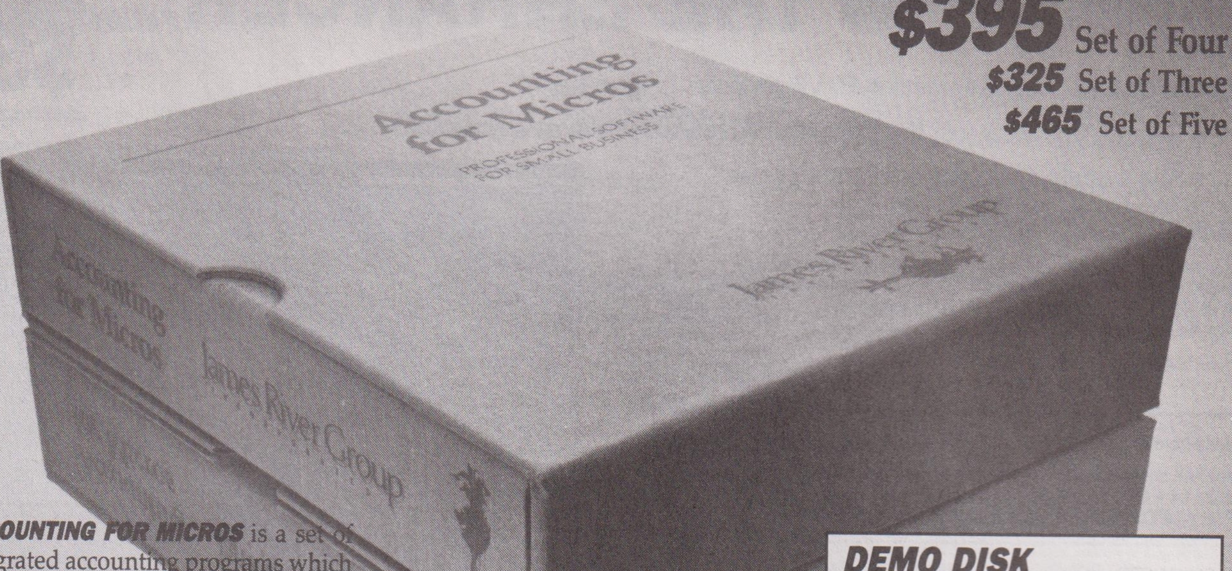

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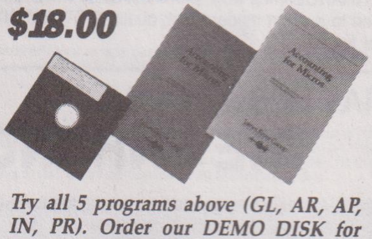

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-Then you need THE ENHANCER!

$35

THE ENHANCER has been getting RAVE reviews . . . Here's why:

- Run the Enhancer just once to install WordStar for almost any printer.
- Run it again if you buy a different printer.

Depending on your printer, you'll get easy access to:

Pica • elite • condensed • italic • bold doublestrike • enlarged pica enlarged elite • enlarged condensed • strikeout continuous underlining draft quality • letter quality • 6 lines/inch • 8 lines/inch subscripts • superscripts

Mix and match type styles within a line.
AND MORE - TO THE LIMITS OF YOUR PRINTER!

Choose from a menu of popular dot-matrix printers including:

Epson MX series • Epson RX series • Epson FX series • Okidata 82 83 Okidata 84 • Okidata 92/93 • Star Gemini • MicroGraph series • Microprism CITOH • NEC • SCM • Panasonic • Riteman • Call for others

---

THE ENHANCER will work with most daisy wheel printers, but is especially intended to support modern high quality DOT-MATRIX Printers with all their special features.

WHAT ELSE DOES THE ENHANCER DO?

1. It gives a blinking cursor and automatic log-to-B: drive on *ANY* version of WordStar and *ANY* Osborne computer.
2. It makes WordStar *MUCH FASTER* to load and *MUCH FASTER* to respond when you press a key.
3. It *automatically* switches the arrow keys to WordStar mode on entry and to CP/M mode on exit.
4. It allows you to choose many of the default settings for WordStar in an extremely rapid and easy manner, so that everything will be tailored to your needs.
5. It modifies WordStar to allow *TRUE SIMULTANEOUS* printing and editing.
6. One copy of **THE ENHANCER** will patch WordStar to drive *ANY* of a long list of printers. Virtually every advanced feature of your printer will be available to you *easily*. No need to buy different **ENHANCERS** for different printers - they're all built in!
7. **THE ENHANCER** does its job *QUICKLY* and *EASILY* in less than 45 seconds!
8. Turns off the sign-on logo and copyright notice.
9. **THE ENHANCER** comes with a two-week money-back trial period How could you ask for more?

- Special WordStar features installed by THE ENHANCER include:

- Blinking Cursor (on/off/variable rate)
- Superfast Loading and Response Time
- Automatic Right Margin Setting
- Right-justification (on/off)
- "INSERT ON" Prompt visible at column 40
- Page Numbering (on/off)
- Log-to-B: Drive (on off)
- Simultaneous Printing and Editing
- Insert Mode (on off)
- Page Break display (on off)
- Hyphen-Help (on off)
- Arrow Keys Automatically Set and Reset

Here's what customers are saying about **THE ENHANCER:**

"Wow! My printer now does everything the manual said it could do. I wish I'd had **THE ENHANCER** two years ago!"

"I love the blinking cursor and the speedup. All the rest is pure gravy."

"I can't believe it was so easy! Thank you!"

SEE the recent FOGHORN reviews

Installs ANY version of WORDSTAR in 45 seconds
Make as many backup copies as you want.
2-WEEK MONEY-BACK TRIAL PERIOD.

NEW

GRAFGEN $39

Here is a very inexpensive, very complete graphics system for the Osborne 01, The Executive, or the Kaypro (please specify when ordering). You get the ability to design and modify charts, graphs and drawings (including text) with full-screen editing using your computer's graphics character set. There's a full-scale Graphics Programming Language that lets you make slide shows and animated sequences. There are printer drivers for epson-compatible printers. This one even has a pop-up window for command entry!

- Full screen editor
- Online help screen
- Animation with timing capabilities
- GPL programming language
- Keyboard input from GPL

Mixed text and graphics

- Block move copy fill
- Load & save screens to disk
- Screen painting feature
- Automated slide shows
- Printer output
- 2-week moneyback trial

NEW

MIX EDITOR $39

This fantastic program is a WordStar-compatible, fully-programmable split-screen text processor. Although it can be used for plain old text processing (like WordStar's Non-Document mode) it is really designed as a programmer's editor. Here's why:

- You can split the screen vertically or horizontally to give you TWO WINDOWS! This means you can work on two different files at once or two parts of the same file. You can copy or move text back and forth between the two windows.
- You dan define macros to carry out complicated programming editing commands at the touch of a key!
- You can create setup files to let you customize the same program in many different ways (this is really useful if you program in more than one language).
- If you don't like the WordStar key layout you can redefine any command to any keystrokes you like.

Available in Osborne, Kaypro, and IBM format - please specify when ordering.

NEW

MEDSTAT $99

At last-a statistics package to address the needs of the health sciences and the biosciences! This program has been in use at the National Institute of Health and at other government and military medical institutions, but now for the first time it is available to the public. Statistics are based upon standard references in the health sciences and biostatistics, and a page-bibliography is included. You get:

CHI-SQUARE ANALYSIS/CONTINGENCY TABLES
Chi square, Yate's continuity corrected chi square, Mantel-Haenszel chi square and likelihood ratio chi square (all with degrees of freedom and two-tailed p-values). Correlation coefficients include phi, contingency coefficient, and Cramer's V.

SAMPLE SIZE/POWER
Estimates how many prospective or retrospective study subjects (cases and controls) need to be entered into a study to have a good chance of correctly testing the statistical hypothesis. Also calculates the 'power' of a study - the probability that the study will correctly identify a true hypothesis given the number of study subjects to be used.

FISHER'S EXACT TEST
Fisher's exact one- and two-tailed P-values for a two by two table (zero values OK).

SENSITIVITY/SPECIFICITY
Evaluates screening tests to give you the sensitivity, specificity and predictive value of the test. You get positive and negative likelihood values as well as the screening probability ratio

T-TEST
Paired and pooled T-tests on two sets of data (such as BEFORE and AFTER scores) to give you a T-score, degrees of freedom, and P-value for the comparison.

REGRESSION ANALYSIS
Lists the minimum, maximum and mean for X and Y data. Generates the linear regression equation, with the standard error of estimate and the 95% confidence level limits. Tests for slope not significantly different from zero (using T- or Z- score and one-tailed P-value). Gives the correlation coefficient and R-squared.

STRATIFIED ANALYSIS
Detailed analysis of prospective, retrospective, or matched-pair data stratified to control for confounding factors or to look at cause effect relationships among various levels of stratification. Gives you crude risks or odds ratios, Mantel-Haenszel risks or odds ratios, Wolff test for homogeneity of strata, Mantel-Haenszel summary test, Mantel-Fleiss test T1 and T2, McNemar's test value and the summary risk difference. Test-based confidence intervals at the 95% level and two-tailed P-values are used.

DESCRIPTIVE STATISTICS
Includes minimum, maximum, range, mean, standard deviation, standard error of the mean, and confidence limits about the mean. For proportions you get binomial confidence limits or Miettinen quadratic bound confidence limits.

P-VALUES → T AND Z-SCORES
Calculate Z-score given a one-tailed P-value or calculate one- and two-tailed P-values from Z-score, or chi square value.

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Washington, DC 20007
(202) 338-9256

STEM $199

STATISTICAL & ECONOMETRICS for MICROCOMPUTERS

STEM is a full-featured statistical and econometric package that was originally developed for use on DEC computers. Now it is available for you to run on your Osborne microcomputer under CP/M. It is very complete and very easy to use.

WARNING:

STEM is a professional package designed for those who use and understand statistics on a professional level. It is not a "teaching program" nor a toy. In order to make full use of the power of STEM you should be familiar with such concepts as:
- N-way analysis of variance & covariance
- Complex algebraic transformation of data
- Sub-sampling • Plotting • Data sorting • Projections
- Analysis of statistical distributions
- Correlation & multiple regression
- Analysis & correction for auto correlation
- Heteroskedasticity & multicolinearity tests
- Two-stage least squares procedure
- Unequal cell frequencies
- Missing observations & repeated subjects

STEM is comparable to mainframe packages selling for much more. Go ahead - unleash this power on your microcomputer today! Osborne 01 only.

If you've been looking for a **linear programming** package to run on the Osborne, here it is. Available for a limited time **FREE** with the purchase of the **STEM** system.

* * * WORD ROOTS * * * $30

This program is designed to boost your vocabulary skills dramatically through learning to break words into their component parts.

ACTIVE TRACE $65

If it weren't for this fantastic program I wouldn't even bother with BASIC anymore. This set of tools makes BASIC programming a joy! ACTIVE TRACE is something no MBASIC programmer can afford to be without. Speeds debugging, boosts productivity

CABLES

We have in stock a variety of cables at excellent prices.
In addition to our standard cables, we can provide just about any custom cable you might want.

• *Six-foot keyboard ribbon cable works on OS-1 & Exec.*	$20
• *Ten-foot serial cables drive any standard RS232-C equipment.*	$25
• *Six-foot parallel printer (ribbon) cable will drive any standard centronics-type parallel printer from the Osborne-01.*	$30
• *Six-foot EXECUTIVE parallel printer cable.*	$35
• *Six-foot VIXEN parallel printer cable.*	$35

CompuMagic Presents:

$\$24^{95}$ MANYKEY $\$34^{95}$

This fantastic package lets every program automatically set the arrow keys & function keys. At last you can go from WordStar to Supercalc to dBase II without stopping to reboot! Wonderful for double-density and ESSENTIAL for any hard disk! Specify floppy or hard disk system when ordering.

LOAN AMORTIZATION $\$59^{95}$

Professional package does simple or complicated loan calculations easily and rapidly. Does FHA245's, variable interest rate & multi-level payment loans, balloon payments. Send output to screen or printer.

CMAUTO + $\$24^{95}$

Makes any program 'Load-N-Run' from any user area on any disk. Create your own AUTOST or EXECST programs. Other programs in this package let you:

- *Use computer as a typewriter*
- *Quickly change screen size*
- *Quickly change serial port*
- *Convert WS files to doublespace*

MAGICDIR $\$24^{95}$

SCREENCOPY captures everything going to the screen and copies it all into a disk file for later use. Records complete sessions for almost any program, allowing easy documentation! Even captures all screen output under MBASIC - I love it!

Four other programs give you sorted directory listings matching more than one file reference on more than one drive, tell you how many files you have and how many directory entries remain available, and even give a sorted directory listing for all files in all user areas at one time.

MOON BUGGY $20

I guarantee you'll be glad you bought this exciting arcade style game. If you don't like it, you get your money back - no questions. (Osborne 01)

GAMES PAK $30

Previously three separate packages - now includes nine games with two simultaneous two-player action games. (Osborne 01)

MEDIA MASTER $29

OSBORNE ⇔ IBM
OSBORNE ⇔ OTHER CP/M
OSBORNE ⇔ TRS 80

This is the cheapest and best of the programs to transfer files between the OSBORNE-01 (Or Executive) and another alien system. You can format, read, and write a staggering variety of alien-type disks. Yes, this does exactly what you're hoping it will do. You can move programs and data from one computer to another "disk-to-disk" with no restrictions. Datafiles and textfiles are 100% compatible from computer to computer. Programs will move across, but will only run if the two computers use the same operating system (CP/M or MS-DOS). Since most 'alien' disk formats are double density, you will need a double density Osborne in order to run this program.

NO CABLES • NO MESS • NO FUSS
MONEY BACK IF NOT COMPLETELY HAPPY

dGRAPH $195

Professional system automatically creates many different graphs from you dBASE II or spreadsheet datafiles or from hand-entered data. Supports autoscaling and many different options. Double density required.

dUTIL $70

The famous utility that effectively adds macro capabilities to dBASE II. Boosts your productivity, aids readability, and more

QUICKCODE $195

Allows you to create dBASE II applications programs in minutes! Easy screen design, easy database design, easy report design. Rapidly generates good sourcecode for 12 different kinds of dBASE II programs which you can further customize if you wish. Double-density is required.

PUBLIC DOMAIN PAK $99

We've had many requests for our own package of "the best public domain software." If you can't get such software through your local user's group then call for our latest catalog. We list 16 disk sides packed with useful documented public domain software culled from hundreds of disks of junk.

DISKAIDE $45

This programmer's tool lets you examine and change any byte in any file of any kind. Because it is record and field-oriented it is particularly well suited to database debugging. Runs from within MBASIC.

OSBAUD $50

Speeds up your serial port like crazy! You'll get a switch-selectable choice of 16 different rock-steady crystal-controlled baud rates from 110 baud all the way up to 19,200 baud. Installation requires making four soldered connections and cutting one trace.

OSDEX $9

This is the comprehensive cross-index to the Osborne-01 blue manual that should have come with your computer in the first place (but didn't). With this index you can instantly find that information you always suspected was in there somewhere. You need this!

REMBRANDT $79

Fantastic graphics package squeezes every last drop of graphics power out of your Osborne (specify 0-1 or EXEC).
- Full-screen graphics editor allows you to create, edit, and save screen images.
- Create bar charts, pie charts, and X-Y scatterplots from hand-entered data or from external datafiles (WordStar, SuperCalc, Mbasic, Dbase II, etc.)
- Produce electronic slideshows of your pictures and graphs.

KEYBOARD OVERLAYS $17 ea.

These plastic overlays live on your OS-1 or Executive keyboard and provide a handy reference source for the hundreds of software commands you need to use. They are available for WordStar, SuperCalc, cBASE II, and MBASIC. Blue case only.

MONITOR ADAPTOR $27

This monitor adaptor allows your old 52-column Osborne to drive any standard external monitor. Excellent quality.

SWITCHBOXES

Good-quality serial and parallel switchboxes at an unbeatable price! Switch between two or even three peripherals at the push of a button, or connect two or three computers to the same printer or modem! I love mine!

* Serial AB (2-way)	$ 59
* Serial ABC (3-way)	$ 99
* Parallel AB (2-way)	$ 79
* Parallel ABC (3-way)	$109

TYPE-RITER $39

LEARN TO TYPE! with this fantastic new program that smoothly and easily guides you from novice to expert typist. Special features allow use by teachers in the classroom, too!

TWO WEEK MONEY-BACK GUARANTEE

TURBO PASCAL vers 3.0 $65

YOU'VE HEARD ABOUT IT - NOW TRY IT. I give this my personal 5-star rating 'cause it's easier to use than MBASIC, and lots more powerful.

TURBO COMBINATION PAK $139

You'll get the full Pascal system as above, plus a "toolbox" of handy sourcecode for sorting, installing terminals, indexing, and more. You also get the TUTOR-ON-A-DISK to lead you step by step through the Turbo Pascal system.

HIGHLY RECOMMENDED.

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We stock IBM format software, including versions of MEDIA MASTER, dGRAPH, dUTIL, QUICKCODE, TURBO PASCAL, SIDEKICK, and the full series of POP-UPS.

DESOLATION $29

A hotshot graphics game available for the Osborne 01 and Executive computers. **DESOLATION** lets you maneuver your ship through more than 50 scrolling graphic screens of threatening enemy attacks. Comes with a joystick adaptor, too!

BLOCKADE $20

Another fancy arcade game by the same programmers who conjured up **DESOLATION.**

C/80 COMPILER $49

This fast, efficient C compiler is widely regarded as one of the world's **BEST** software buys. If you need super precision "floats and longs", transcendental functions and an I/O library, then you should also order the optional C-80 MATHPAK at $24.

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____	GAMES PAK	$ 30.00
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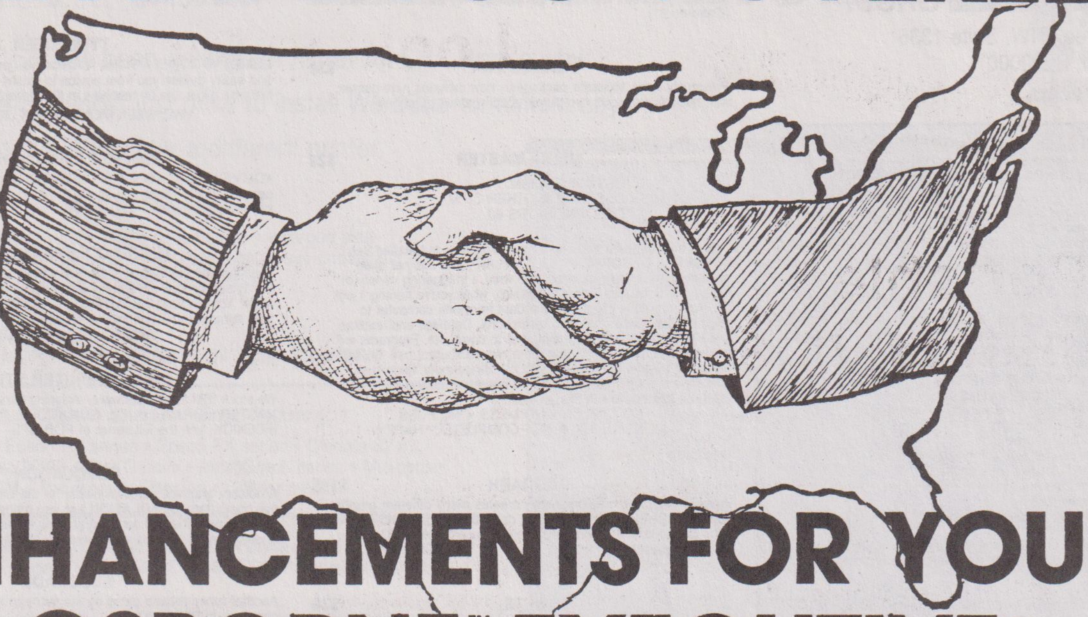

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Citizen MSP-10 printer has been chosen as the official printer of TeamTennis.

OSBORNE

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Do you want to know more about using it? Join
Do you find the manuals incomprehensible? Join
Do you want access to lots of software? Join
Do you need a technical support hotline? Join

FOG

FOG is a users group for persons using or interested in the CP/M operating system and related software. 15,000 members from around the world attend local group meetings at over 300 locations.

Computer systems owned or used by members include all of the Osborne, Morrow, and Kaypro systems; the Zorba; the PMC MicroMate; the CompuPro System 10; Epson QX-10 and PX-8; the Lobo MAX-80; and many more. Special interest groups organized to augment a network of local group meetings include dBase II, Ham radio operators, Personal Pearl.

FOG was started in October of 1981 by a small band of early buyers of the Osborne 1. The primary purpose was to organize a library of public domain software to run on the Osborne 1. A newsletter was quickly started to act as a focal point for the group's activities. As the market expanded and new manufacturers created competing models, these owners joined the group. The large number of excellent contributions to both the library and the newsletter has produced a library of disks (when it reached 300 single density disks, it was converted to double density) and a nicely typeset (70 or more pages) monthly publication. (All back issues of the ***FOGHORN*** are available for a nominal fee which includes shipping in the U.S.)

A network of BBS-RCP/M systems was started to increase access to the disk library. There are now about forty systems around the world in the network with more going up every month. Most of the systems are on line 24 hours per day. Phone numbers are listed in each issue of the ***FOGHORN***. Registration is required but **FOG** members may register on line.

FOG holds no meetings. Instead, meetings are organized by local groups. 140 of these groups have joined the **FOG** network, thus increasing the sharing of information, tips, problems and so on. Those local groups which opt to formally join the **FOG** network receive a portion of local member dues to assist with the cost of maintaining a local copy of the disk library.

The **FOG** library is organized on 170K disks so that members may order library copies in their own format. The library disks are carefully screened to be sure that each program works and is fully documented. Members who download from one of the RCP/M systems or copy disks at their local Affiliated Member Organization (supplying their own disks) do so at no charge. Those who find this inconvenient may order the disks from the **FOG** office ($3.00 per disks in quantities of ten or more). A printed library directory is available to help you find the programs you are seeking.

The **FOG** office in Daly City is open 10:00am to 5:30pm Pacific time. Technical support personnel are available to answer questions or to guide you in finding a program or identifying the source of operating failure. Other staff members will refer you to your nearest local group or aid you in obtaining copies of the disk library and other materials.

Dues in FOG are $24.00 per year. This entitles each member to a copy of the ***FOGHORN*** each month as well as access to the disk library and RCP/M network. Local group meetings are open to the public without charge although access to the disk library is restricted to the membership. The **FOG** Disk Library contains only public domain software. Piracy (the copying of proprietary software) is strongly condemned.

In the United States, the ***FOGHORN*** is normally mailed by non-profit bulk mail. (**FOG** is a corporation in the state of California and has obtained its non-profit, tax exempt status from both the state and federal governments.) For those members who live out of the country or who prefer first class delivery of their ***FOGHORN***, additional postage must be added to the annual dues. See the chart below for details.

If you are interested in joining a self-help organization to increase your knowledge and the use of your computer, use the application below (or a copy of it). Generally, memberships received at the **FOG** office prior to the 15th of the month are entered in time to receive the next month's ***FOGHORN***.

If you know of a local group which might be interested in joining the **FOG** network, please send all details (meeting dates and places, officers, and how interested local computer owners can join). We will send you an information packet on becoming an Affiliated Member Organization.

For your records, the address of **FOG** is P. O. Box 3474, Daly City, CA, 94015-0474. Please allow at least two months for the arrival of your first ***FOGHORN*** since bulk mail can take as much as nine weeks. (The post office says that it should only take about three weeks for non-profit bulk mail but some members on the East Coast have experienced longer delays.) A membership card will be processed within two weeks of the receipt of your dues.

ADDITIONAL POSTAL CHARGE CHART

The following is a list of additional charges which must be included with new or renewing memberships effective 3/1/85:

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INTERESTS? ______________________________

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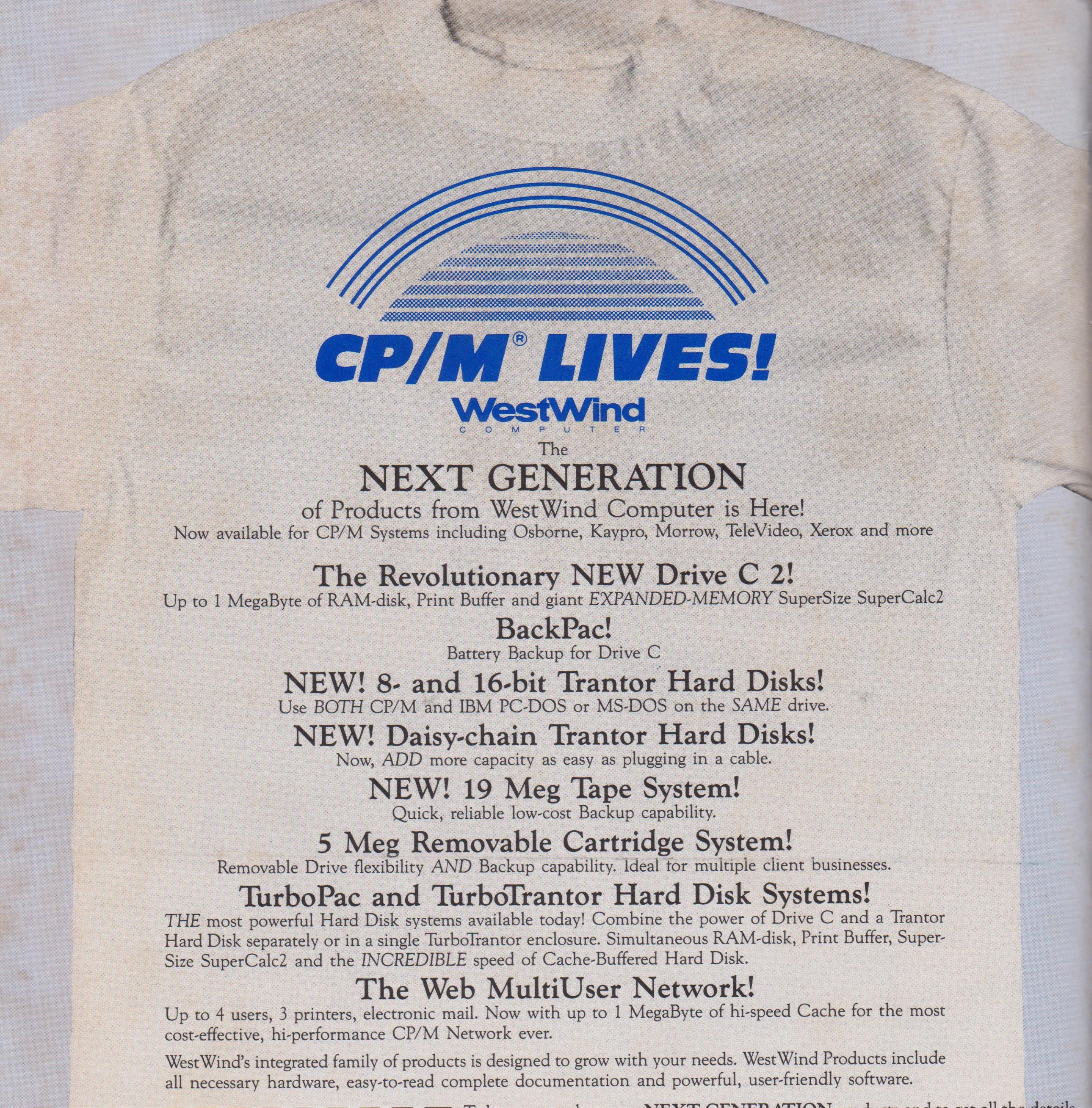

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